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รายงานผลการตรวจวัดคุณภาพสิ่งแวดล้อม



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SECOT CO., LTD.

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239 RIMKLONGPRAPA ROAD, BANGSUE, BANGKOK 10800, THAILAND

TEL : +66(0) 2959-3600 FAX : +66(0) 2959-3535 E-mail : envserv@secot.co.th

AMBIENT AIR QUALITY ANALYSIS REPORT

CLIENT NAME	: GC Polyols Co., Ltd.	REFERENCE NO.	: 225082-Amb-2509-0237
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 12-19/09/2025
RECEIVED DATE	: 26/09/2025	ANALYTICAL DATE	: 29/09/2025
REPORT DATE	: 04/10/2025	SAMPLE CONDITION	: Normal
LOCATION DESCRIPTION	: Wat Map Chalute	SITE OPERATOR	: Mr. Siwanon Kulawong

PARAMETER	SAMPLING DATE	UNITS	RESULTS	STANDARD	REFERENCE METHODS
			Wat Map Chalute		
Propylene Oxide (PO)	12-13/09/2025	ppm	ND (<0.05)	-	Modif.NIOSH 1612/
	13-14/09/2025	ppm	ND (<0.05)		GC FID
	14-15/09/2025	ppm	ND (<0.05)		
	15-16/09/2025	ppm	ND (<0.05)		
	16-17/09/2025	ppm	ND (<0.05)		
	17-18/09/2025	ppm	ND (<0.05)		
	18-19/09/2025	ppm	ND (<0.05)		



Analyst



Technical Management Team

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3. No standard for propylene oxide in ambient air.

4. ND means non-detectable.



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AMBIENT AIR QUALITY ANALYSIS REPORT

CLIENT NAME	: GC Polyols Co., Ltd (Rayong Branch)	REQUEST SERVICE No.	: 1741/68
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING METHOD	: Subatmospheric Pressure Sampling
SAMPLING DATE	: 12-13/09/2025	ANALYTICAL DATE	: 22/09/2025
SAMPLING TIME	: 10:28-10:37	SAMPLE CONDITION	: Normal
RECEIVED DATE	: 14/09/2025	FILE CODE	: 225082_TO-15_September
REPORT DATE	: 24/09/2025		

Compound	SAMPLING LOCATION				STANDARD* (µg/m ³)
	Non Detection		Wat Map Chalute		
	ppbv	µg/m ³	ppbv	µg/m ³	
Difluorochloromethane	0.04	0.14	0.25	0.89	-
Propene	0.10	0.17	1.40	2.40	-
Dichlorodifluoromethane	0.02	0.10	0.51	2.52	-
Chloromethane	0.04	0.08	2.48	5.13	-
1,2-dichlorotetrafluoroethane	0.02	0.14	ND	ND	-
Acetaldehyde	0.20	0.36	1.48	2.66	860
Vinyl chloride	0.003	0.008	ND	ND	20
2-methyl-1-propene	0.10	0.23	0.28	0.65	-
1,3-butadiene	0.003	0.007	ND	ND	5.3
Bromomethane	0.004	0.016	ND	ND	190
Ethyl chloride	0.10	0.26	ND	ND	-
Ethanol	0.20	0.38	1.12	2.11	-
Trichlorofluoromethane	0.02	0.11	0.18	1.01	-
Acetonitrile	0.20	0.34	ND	ND	-
Acrolein	0.005	0.011	ND	ND	0.55
Acetone	0.10	0.24	1.69	4.02	-
Propanal	0.04	0.10	ND	ND	-
Isopropyl alcohol	0.04	0.12	ND	ND	-
Pentane	0.04	0.12	0.34	0.99	-
2-methyl-1,3-butadiene	0.04	0.11	0.26	0.72	-
1,1-dichloroethene	0.04	0.16	ND	ND	-
Acrylonitrile	0.005	0.011	ND	ND	10
1,1,2-trichloro-1,2,2-trifluoroethane	0.02	0.15	0.06	0.46	-
Iodomethane	0.02	0.12	ND	ND	-
Dichloromethane	0.007	0.024	0.28	0.97	210
Carbon disulfide	0.002	0.006	0.02	0.06	100
1-propanol	1.00	2.46	ND	ND	-
2-methoxy-2-methylpropane	0.02	0.07	ND	ND	-
trans-1,2-dichloroethene	0.02	0.07	ND	ND	-
Methacrolein	0.10	0.29	ND	ND	-
Cyclopentane	0.04	0.11	0.06	0.17	-
Acetic acid ethenyl ester	0.04	0.16	ND	ND	-
1,1-dichloroethane	0.04	0.16	ND	ND	-
Methyl vinyl ketone	0.10	0.29	ND	ND	-
Butanal	0.10	0.29	ND	ND	-
2-butanone	0.10	0.29	0.11	0.32	-
Hexane	0.04	0.14	0.26	0.92	-
cis-1,2-dichloroethene	0.04	0.16	ND	ND	-
Chloroform	0.005	0.024	0.04	0.20	57

Methods for the Determination of Toxic Organic Compounds in Ambient Air, 2nd - EPA Methods TO-15, 1999



Analyst



Technical Management Team

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AMBIENT AIR QUALITY ANALYSIS REPORT

CLIENT NAME	: GC Polyols Co., Ltd (Rayong Branch)	REQUEST SERVICE No.	: 1741/68
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING METHOD	: Subatmospheric Pressure Sampling
SAMPLING DATE	: 12-13/09/2025	ANALYTICAL DATE	: 22/09/2025
SAMPLING TIME	: 10:28-10:37	SAMPLE CONDITION	: Normal
RECEIVED DATE	: 14/09/2025	FILE CODE	: 225082_TO-15_September
REPORT DATE	: 24/09/2025		

Compound	Non Detection		SAMPLING LOCATION		STANDARD* ($\mu\text{g}/\text{m}^3$)
	Wat Map Chalute				
	ppbv	$\mu\text{g}/\text{m}^3$	ppbv	$\mu\text{g}/\text{m}^3$	
1,1,1-trichloroethane	0.04	0.22	ND	ND	-
1,2-dichloroethane	0.003	0.012	0.02	0.08	48
1-butanol	0.20	0.61	ND	ND	-
Benzene	0.004	0.013	0.22	0.70	7.6
Carbon tetrachloride	0.004	0.025	0.06	0.38	150
Cyclohexane	0.02	0.07	1.91	6.58	-
2-pentanone	0.04	0.14	ND	ND	-
3-pentanone	0.04	0.14	ND	ND	-
Pentanal	0.20	0.70	ND	ND	-
Trichloroethylene	0.006	0.032	ND	ND	130
1,2-dichloropropane	0.007	0.032	ND	ND	82
1,4-dioxane	0.10	0.36	ND	ND	860
Bromodichloromethane	0.02	0.13	ND	ND	-
Methyl isobutyl ketone	0.10	0.41	ND	ND	-
cis-1,3-dichloro-1-propene	0.04	0.18	ND	ND	-
trans-1,3-dichloro-1-propene	0.10	0.45	ND	ND	-
Toluene	0.02	0.08	1.97	7.42	-
1,1,2-trichloroethane	0.02	0.11	ND	ND	-
3-hexanone	0.10	0.41	ND	ND	-
2-hexanone	0.04	0.16	ND	ND	-
Hexanal	0.20	0.82	ND	ND	-
Dibromochloromethane	0.02	0.17	ND	ND	-
Tetrachloroethylene	0.006	0.041	ND	ND	400
1,2-dibromoethane	0.006	0.046	ND	ND	370
Chlorobenzene	0.02	0.09	0.02	0.09	-
Ethylbenzene	0.02	0.09	0.22	0.96	-
m,p-xylene	0.04	0.17	0.35	1.52	-
Styrene	0.02	0.09	0.35	1.49	-
o-xylene	0.02	0.09	0.12	0.52	-
Tribromomethane	0.02	0.21	ND	ND	-
1,1,2,2-tetrachloroethane	0.010	0.069	ND	ND	83
1,3,5-trimethylbenzene	0.02	0.10	0.02	0.10	-
1,2,4-trimethylbenzene	0.02	0.10	0.08	0.39	-
1,3-dichlorobenzene	0.02	0.12	0.02	0.12	-
Benzyl chloride	0.008	0.041	<0.10	<0.52	12
1,4-dichlorobenzene	0.008	0.048	<0.04	<0.24	1100
1,2,3-trimethylbenzene	0.02	0.10	ND	ND	-
1,2-dichlorobenzene	0.02	0.12	0.02	0.12	-
1,2,4-trichlorobenzene	0.02	0.15	0.04	0.30	-

Methods for the Determination of Toxic Organic Compound in Ambient Air, 2nd : EPA Methods TO-15, 1999



Analyst



Technical Management Team

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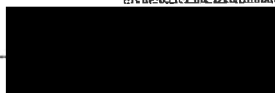
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AMBIENT AIR QUALITY ANALYSIS REPORT

CLIENT NAME	: GC Polyols Co., Ltd (Rayong Branch)	REQUEST SERVICE No.	: 1745/68
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING METHOD	: Subatmospheric Pressure Sampling
SAMPLING DATE	: 13-14/09/2025	ANALYTICAL DATE	: 23/09/2025
SAMPLING TIME	: 10:39-10:15	SAMPLE CONDITION	: Normal
RECEIVED DATE	: 15/09/2025	FILE CODE	: 225082_TO-15_September
REPORT DATE	: 25/09/2025		

Compound	SAMPLING LOCATION				STANDARD* ($\mu\text{g}/\text{m}^3$)
	Non Detection		Wat Map Chalute		
	ppbv	$\mu\text{g}/\text{m}^3$	ppbv	$\mu\text{g}/\text{m}^3$	
Difluorochloromethane	0.04	0.14	0.28	1.00	-
Propene	0.10	0.17	2.44	4.20	-
Dichlorodifluoromethane	0.02	0.10	0.51	2.52	-
Chloromethane	0.04	0.08	3.72	7.69	-
1,2-dichlorotetrafluoroethane	0.02	0.14	ND	ND	-
Acetaldehyde	0.20	0.36	1.83	3.30	860
Vinyl chloride	0.003	0.008	ND	ND	20
2-methyl-1-propene	0.10	0.23	0.23	0.53	-
1,3-butadiene	0.003	0.007	ND	ND	5.3
Bromomethane	0.004	0.016	ND	ND	190
Ethyl chloride	0.10	0.26	ND	ND	-
Ethanol	0.20	0.38	1.42	2.67	-
Trichlorofluoromethane	0.02	0.11	0.20	1.12	-
Acetonitrile	0.20	0.34	ND	ND	-
Acrolein	0.005	0.011	ND	ND	0.55
Acetone	0.10	0.24	4.45	10.58	-
Propanal	0.04	0.10	ND	ND	-
Isopropyl alcohol	0.04	0.12	ND	ND	-
Pentane	0.04	0.12	0.93	2.75	-
2-methyl-1,3-butadiene	0.04	0.11	0.22	0.61	-
1,1-dichloroethene	0.04	0.16	ND	ND	-
Acrylonitrile	0.005	0.011	ND	ND	10
1,1,2-trichloro-1,2,2-trifluoroethane	0.02	0.15	0.06	0.46	-
Iodomethane	0.02	0.12	ND	ND	-
Dichloromethane	0.007	0.024	0.49	1.70	210
Carbon disulfide	0.002	0.006	0.02	0.06	100
1-propanol	1.00	2.46	ND	ND	-
2-methoxy-2-methylpropane	0.02	0.07	ND	ND	-
trans-1,2-dichloroethene	0.02	0.07	ND	ND	-
Methacrolein	0.10	0.29	ND	ND	-
Cyclopentane	0.04	0.11	0.11	0.32	-
Acetic acid ethenyl ester	0.04	0.16	ND	ND	-
1,1-dichloroethane	0.04	0.16	ND	ND	-
Methyl vinyl ketone	0.10	0.29	ND	ND	-
Butanal	0.10	0.29	ND	ND	-
2-butanone	0.10	0.29	ND	ND	-
Hexane	0.04	0.14	0.48	1.68	-
cis-1,2-dichloroethene	0.04	0.16	ND	ND	-
Chloroform	0.005	0.024	0.06	0.29	57

Methods for the Determination of Toxic Organic Compounds in Ambient Air, 2nd EPA Methods TO-15, 1999



Analyst



Technical Management Team

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AMBIENT AIR QUALITY ANALYSIS REPORT

CLIENT NAME	: GC Polyols Co., Ltd (Rayong Branch)	REQUEST SERVICE No.	: 1745/68
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING METHOD	: Subatmospheric Pressure Sampling
SAMPLING DATE	: 13-14/09/2025	ANALYTICAL DATE	: 23/09/2025
SAMPLING TIME	: 10:39-10:15	SAMPLE CONDITION	: Normal
RECEIVED DATE	: 15/09/2025	FILE CODE	: 225082_TO-15_September
REPORT DATE	: 25/09/2025		

Compound	Non Detection		SAMPLING LOCATION		STANDARD* ($\mu\text{g}/\text{m}^3$)
	Wat Map Chalute				
	ppbv	$\mu\text{g}/\text{m}^3$	ppbv	$\mu\text{g}/\text{m}^3$	
1,1,1-trichloroethane	0.04	0.22	ND	ND	*
1,2-dichloroethane	0.003	0.012	0.04	0.16	48
1-butanol	0.20	0.61	ND	ND	*
Benzene	0.004	0.013	0.34	1.07	7.6
Carbon tetrachloride	0.004	0.025	0.06	0.38	150
Cyclohexane	0.02	0.07	1.03	3.53	*
2-pentanone	0.04	0.14	ND	ND	*
3-pentanone	0.04	0.14	ND	ND	*
Pentanal	0.20	0.70	ND	ND	*
Trichloroethylene	0.006	0.032	ND	ND	130
1,2-dichloropropane	0.007	0.032	ND	ND	82
1,4-dioxane	0.10	0.36	ND	ND	860
Bromodichloromethane	0.02	0.13	ND	ND	*
Methyl isobutyl ketone	0.10	0.41	ND	ND	*
cis-1,3-dichloro-1-propene	0.04	0.18	ND	ND	*
trans-1,3-dichloro-1-propene	0.10	0.45	ND	ND	*
Toluene	0.02	0.08	1.79	6.74	*
1,1,2-trichloroethane	0.02	0.11	ND	ND	*
3-hexanone	0.10	0.41	ND	ND	*
2-hexanone	0.04	0.16	ND	ND	*
Hexanal	0.20	0.82	ND	ND	*
Dibromochloromethane	0.02	0.17	ND	ND	*
Tetrachloroethylene	0.006	0.041	<0.04	<0.27	400
1,2-dibromoethane	0.006	0.046	ND	ND	370
Chlorobenzene	0.02	0.09	0.02	0.09	*
Ethylbenzene	0.02	0.09	0.26	1.13	*
m,p-xylene	0.04	0.17	0.39	1.70	*
Styrene	0.02	0.09	0.06	0.26	*
o-xylene	0.02	0.09	0.10	0.43	*
Tribromomethane	0.02	0.21	ND	ND	*
1,1,2,2-tetrachloroethane	0.010	0.069	ND	ND	83
1,3,5-trimethylbenzene	0.02	0.10	0.02	0.10	*
1,2,4-trimethylbenzene	0.02	0.10	0.02	0.10	*
1,3-dichlorobenzene	0.02	0.12	0.02	0.12	*
Benzyl chloride	0.008	0.041	ND	ND	12
1,4-dichlorobenzene	0.008	0.048	ND	ND	1100
1,2,3-trimethylbenzene	0.02	0.10	ND	ND	*
1,2-dichlorobenzene	0.02	0.12	ND	ND	*
1,2,4-trichlorobenzene	0.02	0.15	0.02	0.15	*

Methods for the Determination of Toxic Organic Compound in Ambient Air, 2nd - EPA Methods TO-15, 1999



Analyst



Technical Management Team

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AMBIENT AIR QUALITY ANALYSIS REPORT

CLIENT NAME	: GC Polyols Co., Ltd (Rayong Branch)	REQUEST SERVICE No.	: 1748/68
SAMPLING BY	: SECOT Co., Ltd	SAMPLING METHOD	: Subatmospheric Pressure Sampling
SAMPLING DATE	: 14-15/09/2025	ANALYTICAL DATE	: 24/09/2025
SAMPLING TIME	: 10:16-10:52	SAMPLE CONDITION	: Normal
RECEIVED DATE	: 16/09/2025	FILE CODE	: 225082_TO-15_September
REPORT DATE	: 25/09/2025		

Compound	Non Detection		SAMPLING LOCATION		STANDARD ⁴ ($\mu\text{g}/\text{m}^3$)
	Wat Map Chalute				
	ppbv	$\mu\text{g}/\text{m}^3$	ppbv	$\mu\text{g}/\text{m}^3$	
Difluorochloromethane	0.04	0.14	0.26	0.92	*
Propene	0.10	0.17	3.89	6.70	*
Dichlorodifluoromethane	0.02	0.10	0.52	2.57	*
Chloromethane	0.04	0.08	1.58	3.27	*
1,2-dichlorotetrafluoroethane	0.02	0.14	ND	ND	-
Acetaldehyde	0.20	0.36	2.51	4.51	860
Vinyl chloride	0.003	0.008	0.02	0.05	20
2-methyl-1-propene	0.10	0.23	0.69	1.58	*
1,3-butadiene	0.003	0.007	ND	ND	5.3
Bromomethane	0.004	0.016	ND	ND	190
Ethyl chloride	0.10	0.26	ND	ND	*
Ethanol	0.20	0.38	1.12	2.11	*
Trichlorofluoromethane	0.02	0.11	0.20	1.12	*
Acetonitrile	0.20	0.34	ND	ND	*
Acrolein	0.005	0.011	0.09	0.21	0.55
Acetone	0.10	0.24	1.66	3.95	*
Propanal	0.04	0.10	ND	ND	*
Isopropyl alcohol	0.04	0.12	0.12	0.29	*
Pentane	0.04	0.12	0.68	2.01	*
2-methyl-1,3-butadiene	0.04	0.11	0.25	0.70	*
1,1-dichloroethene	0.04	0.16	ND	ND	*
Acrylonitrile	0.005	0.011	0.02	0.04	10
1,1,2-trichloro-1,2,2-trifluoroethane	0.02	0.15	0.06	0.46	*
Iodomethane	0.02	0.12	ND	ND	*
Dichloromethane	0.007	0.024	0.28	0.97	210
Carbon disulfide	0.002	0.006	0.02	0.06	100
1-propanol	1.00	2.46	ND	ND	*
2-methoxy-2-methylpropane	0.02	0.07	ND	ND	*
trans-1,2-dichloroethene	0.02	0.07	ND	ND	*
Methacrolein	0.10	0.29	ND	ND	*
Cyclopentane	0.04	0.11	0.09	0.26	*
Acetic acid ethenyl ester	0.04	0.16	ND	ND	*
1,1-dichloroethane	0.04	0.16	ND	ND	*
Methyl vinyl ketone	0.10	0.29	ND	ND	*
Butanal	0.10	0.29	ND	ND	*
2-butanone	0.10	0.29	0.44	1.30	*
Hexane	0.04	0.14	1.00	3.51	*
cis-1,2-dichloroethene	0.04	0.16	ND	ND	*
Chloroform	0.005	0.024	<0.04	<0.20	57

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AMBIENT AIR QUALITY ANALYSIS REPORT

CLIENT NAME	: GC Polyols Co., Ltd (Rayong Branch)	REQUEST SERVICE No.	: 1748/68
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING METHOD	: Subatmospheric Pressure Sampling
SAMPLING DATE	: 14-15/09/2025	ANALYTICAL DATE	: 24/09/2025
SAMPLING TIME	: 10:16-10:52	SAMPLE CONDITION	: Normal
RECEIVED DATE	: 16/09/2025	FILE CODE	: 225082_TO-15_September
REPORT DATE	: 25/09/2025		

Compound	Non Detection		SAMPLING LOCATION		STANDARD* (µg/m ³)
			Wat Map Chalute		
	ppbv	µg/m ³	ppbv	µg/m ³	
1,1,1-trichloroethane	0.04	0.22	ND	ND	*
1,2-dichloroethane	0.003	0.012	0.25	1.01	48
1-butanol	0.20	0.61	ND	ND	*
Benzene	0.004	0.013	0.50	1.60	7.6
Carbon tetrachloride	0.004	0.025	0.06	0.38	150
Cyclohexane	0.02	0.07	0.68	2.35	*
2-pentanone	0.04	0.14	0.11	0.39	*
3-pentanone	0.04	0.14	ND	ND	*
Pentanal	0.20	0.70	ND	ND	*
Trichloroethylene	0.006	0.032	ND	ND	130
1,2-dichloropropane	0.007	0.032	ND	ND	82
1,4-dioxane	0.10	0.36	ND	ND	860
Bromodichloromethane	0.02	0.13	ND	ND	*
Methyl isobutyl ketone	0.10	0.41	ND	ND	*
cis-1,3-dichloro-1-propene	0.04	0.18	ND	ND	*
trans-1,3-dichloro-1-propene	0.10	0.45	ND	ND	*
Toluene	0.02	0.08	2.13	8.03	*
1,1,2-trichloroethane	0.02	0.11	ND	ND	*
3-hexanone	0.10	0.41	ND	ND	*
2-hexanone	0.04	0.16	ND	ND	*
Hexanal	0.20	0.82	ND	ND	*
Dibromochloromethane	0.02	0.17	ND	ND	*
Tetrachloroethylene	0.006	0.041	<0.04	<0.27	400
1,2-dibromoethane	0.006	0.046	ND	ND	370
Chlorobenzene	0.02	0.09	ND	ND	*
Ethylbenzene	0.02	0.09	0.19	0.83	*
m,p-xylene	0.04	0.17	0.24	1.04	*
Styrene	0.02	0.09	0.29	1.24	*
o-xylene	0.02	0.09	0.08	0.35	*
Tribromomethane	0.02	0.21	0.02	0.21	*
1,1,2,2-tetrachloroethane	0.010	0.069	ND	ND	83
1,3,5-trimethylbenzene	0.02	0.10	ND	ND	*
1,2,4-trimethylbenzene	0.02	0.10	0.04	0.20	*
1,3-dichlorobenzene	0.02	0.12	0.04	0.24	*
Benzyl chloride	0.008	0.041	<0.10	<0.52	12
1,4-dichlorobenzene	0.008	0.048	ND	ND	1100
1,2,3-trimethylbenzene	0.02	0.10	0.02	0.10	*
1,2-dichlorobenzene	0.02	0.12	ND	ND	*
1,2,4-trichlorobenzene	0.02	0.15	0.06	0.45	*

Methods for the Determination of Toxic Organic Compound in Ambient Air-2nd : EPA Methods TO-15,1999

Analyst

Technical Management Team

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AMBIENT AIR QUALITY ANALYSIS REPORT

CLIENT NAME	: GC Polyols Co., Ltd (Rayong Branch)	REQUEST SERVICE No.	: 1754/68
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING METHOD	: Subatmospheric Pressure Sampling
SAMPLING DATE	: 15-16/09/2025	ANALYTICAL DATE	: 26/09/2025
SAMPLING TIME	: 10:54-11:54	SAMPLE CONDITION	: Normal
RECEIVED DATE	: 17/09/2025	FILE CODE	: 225082_TO-15_September
REPORT DATE	: 26/09/2025		

Compound	Non Detection		SAMPLING LOCATION		STANDARD*
			Wat Map Chalute		
	ppbv	µg/m ³	ppbv	µg/m ³	(µg/m ³)
Difluorochloromethane	0.04	0.14	0.22	0.78	-
Propene	0.10	0.17	2.41	4.15	-
Dichlorodifluoromethane	0.02	0.10	0.48	2.37	-
Chloromethane	0.04	0.08	1.47	3.04	-
1,2-dichlorotetrafluoroethane	0.02	0.14	ND	ND	-
Acetaldehyde	0.20	0.36	1.74	3.12	860
Vinyl chloride	0.003	0.008	0.04	0.10	20
2-methyl-1-propene	0.10	0.23	0.34	0.78	-
1,3-butadiene	0.003	0.007	ND	ND	5.3
Bromomethane	0.004	0.016	ND	ND	190
Ethyl chloride	0.10	0.26	ND	ND	-
Ethanol	0.20	0.38	0.70	1.32	-
Trichlorofluoromethane	0.02	0.11	0.20	1.12	-
Acetonitrile	0.20	0.34	ND	ND	-
Acrolein	0.005	0.011	ND	ND	0.55
Acetone	0.10	0.24	1.91	4.54	-
Propanal	0.04	0.10	0.79	1.88	-
Isopropyl alcohol	0.04	0.12	ND	ND	-
Pentane	0.04	0.12	0.47	1.38	-
2-methyl-1,3-butadiene	0.04	0.11	0.24	0.67	-
1,1-dichloroethene	0.04	0.16	ND	ND	-
Acrylonitrile	0.005	0.011	ND	ND	10
1,1,2-trichloro-1,2,2-trifluoroethane	0.02	0.15	0.06	0.46	-
Iodomethane	0.02	0.12	ND	ND	-
Dichloromethane	0.007	0.024	0.28	0.97	210
Carbon disulfide	0.002	0.006	0.02	0.06	100
1-propanol	1.00	2.46	ND	ND	-
2-methoxy-2-methylpropane	0.02	0.07	ND	ND	-
trans-1,2-dichloroethene	0.02	0.07	ND	ND	-
Methacrolein	0.10	0.29	ND	ND	-
Cyclopentane	0.04	0.11	0.09	0.26	-
Acetic acid ethenyl ester	0.04	0.16	ND	ND	-
1,1-dichloroethane	0.04	0.16	ND	ND	-
Methyl vinyl ketone	0.10	0.29	ND	ND	-
Butanal	0.10	0.29	0.10	0.29	-
2-butanone	0.10	0.29	ND	ND	-
Hexane	0.04	0.14	0.57	2.01	-
cis-1,2-dichloroethene	0.04	0.16	ND	ND	-
Chloroform	0.005	0.024	0.04	0.20	57

Method for the Determination of Toxic Organic Compounds in Ambient Air, 2nd EPA Methods TO-15, 1999



Analyst



Technical Management Team

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AMBIENT AIR QUALITY ANALYSIS REPORT

CLIENT NAME	: GC Polyols Co., Ltd (Rayong Branch)	REQUEST SERVICE No.	: 1754/68
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING METHOD	: Subatmospheric Pressure Sampling
SAMPLING DATE	: 15-16/09/2025	ANALYTICAL DATE	: 26/09/2025
SAMPLING TIME	: 10:54-11:54	SAMPLE CONDITION	: Normal
RECEIVED DATE	: 17/09/2025	FILE CODE	: 225082_TO-15_September
REPORT DATE	: 26/09/2025		

Compound	Non Detection		SAMPLING LOCATION		STANDARD* ($\mu\text{g}/\text{m}^3$)
			Wat Map Chalute		
	ppbv	$\mu\text{g}/\text{m}^3$	ppbv	$\mu\text{g}/\text{m}^3$	
1,1,1-trichloroethane	0.04	0.22	ND	ND	-
1,2-dichloroethane	0.003	0.012	0.15	0.61	48
1-butanol	0.20	0.61	ND	ND	-
Benzene	0.004	0.013	0.24	0.77	7.6
Carbon tetrachloride	0.004	0.025	0.06	0.38	150
Cyclohexane	0.02	0.07	0.42	1.45	-
2-pentanone	0.04	0.14	ND	ND	-
3-pentanone	0.04	0.14	ND	ND	-
Pentanal	0.20	0.70	ND	ND	-
Trichloroethylene	0.006	0.032	ND	ND	130
1,2-dichloropropane	0.007	0.032	ND	ND	82
1,4-dioxane	0.10	0.36	ND	ND	860
Bromodichloromethane	0.02	0.13	ND	ND	-
Methyl isobutyl ketone	0.10	0.41	ND	ND	-
cis-1,3-dichloro-1-propene	0.04	0.18	ND	ND	-
trans-1,3-dichloro-1-propene	0.10	0.45	ND	ND	-
Toluene	0.02	0.08	1.46	5.50	-
1,1,2-trichloroethane	0.02	0.11	ND	ND	-
3-hexanone	0.10	0.41	ND	ND	-
2-hexanone	0.04	0.16	ND	ND	-
Hexanal	0.20	0.82	ND	ND	-
Dibromochloromethane	0.02	0.17	ND	ND	-
Tetrachloroethylene	0.006	0.041	ND	ND	400
1,2-dibromoethane	0.006	0.046	ND	ND	370
Chlorobenzene	0.02	0.09	0.02	0.09	-
Ethylbenzene	0.02	0.09	0.08	0.35	-
m,p-xylene	0.04	0.17	0.19	0.83	-
Styrene	0.02	0.09	0.02	0.09	-
o-xylene	0.02	0.09	0.04	0.17	-
Tribromomethane	0.02	0.21	ND	ND	-
1,1,2,2-tetrachloroethane	0.010	0.069	ND	ND	83
1,3,5-trimethylbenzene	0.02	0.10	0.02	0.10	-
1,2,4-trimethylbenzene	0.02	0.10	0.04	0.20	-
1,3-dichlorobenzene	0.02	0.12	ND	ND	-
Benzyl chloride	0.008	0.041	ND	ND	12
1,4-dichlorobenzene	0.008	0.048	ND	ND	1100
1,2,3-trimethylbenzene	0.02	0.10	ND	ND	-
1,2-dichlorobenzene	0.02	0.12	ND	ND	-
1,2,4-trichlorobenzene	0.02	0.15	0.02	0.15	-

Methods for the Determination of Toxic Organic Compound in Ambient Air, 2nd : EPA Methods TO-15, 1999



Analyst



Technical Management Team

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AMBIENT AIR QUALITY ANALYSIS REPORT

CLIENT NAME	: GC Polyols Co., Ltd (Rayong Branch)	REQUEST SERVICE No.	: 1767/68
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING METHOD	: Subatmospheric Pressure Sampling
SAMPLING DATE	: 16-17/09/2025	ANALYTICAL DATE	: 24/09/2025
SAMPLING TIME	: 11:11-11:00	SAMPLE CONDITION	: Normal
RECEIVED DATE	: 18/09/2025	FILE CODE	: 225082_TO-15_September
REPORT DATE	: 25/09/2025		

Compound	Non Detection		SAMPLING LOCATION		STANDARD* (µg/m ³)
	Wat Map Chalute				
	ppbv	µg/m ³	ppbv	µg/m ³	
Difluorochloromethane	0.04	0.14	0.24	0.85	-
Propene	0.10	0.17	1.28	2.20	-
Dichlorodifluoromethane	0.02	0.10	0.53	2.62	-
Chloromethane	0.04	0.08	1.13	2.33	-
1,2-dichlorotetrafluoroethane	0.02	0.14	ND	ND	-
Acetaldehyde	0.20	0.36	1.31	2.35	860
Vinyl chloride	0.003	0.008	ND	ND	20
2-methyl-1-propene	0.10	0.23	0.19	0.44	-
1,3-butadiene	0.003	0.007	ND	ND	5.3
Bromomethane	0.004	0.016	ND	ND	190
Ethyl chloride	0.10	0.26	ND	ND	-
Ethanol	0.20	0.38	0.65	1.22	-
Trichlorofluoromethane	0.02	0.11	0.20	1.12	-
Acetonitrile	0.20	0.34	ND	ND	-
Acrolein	0.005	0.011	0.04	0.09	0.55
Acetone	0.10	0.24	2.26	5.36	-
Propanal	0.04	0.10	0.94	2.24	-
Isopropyl alcohol	0.04	0.12	ND	ND	-
Pentane	0.04	0.12	1.26	3.71	-
2-methyl-1,3-butadiene	0.04	0.11	0.34	0.93	-
1,1-dichloroethene	0.04	0.16	ND	ND	-
Acrylonitrile	0.005	0.011	ND	ND	10
1,1,2-trichloro-1,2,2-trifluoroethane	0.02	0.15	0.06	0.46	-
Iodomethane	0.02	0.12	ND	ND	-
Dichloromethane	0.007	0.024	0.13	0.45	210
Carbon disulfide	0.002	0.006	0.02	0.06	100
1-propanol	1.00	2.46	ND	ND	-
2-methoxy-2-methylpropane	0.02	0.07	ND	ND	-
trans-1,2-dichloroethene	0.02	0.07	ND	ND	-
Methacrolein	0.10	0.29	ND	ND	-
Cyclopentane	0.04	0.11	ND	ND	-
Acetic acid ethenyl ester	0.04	0.16	ND	ND	-
1,1-dichloroethane	0.04	0.16	ND	ND	-
Methyl vinyl ketone	0.10	0.29	ND	ND	-
Butanal	0.10	0.29	ND	ND	-
2-butanone	0.10	0.29	ND	ND	-
Hexane	0.04	0.14	0.06	0.21	-
cis-1,2-dichloroethene	0.04	0.16	ND	ND	-
Chloroform	0.005	0.024	0.04	0.20	57

Methods for the Determination of Toxic Organic Compounds in Ambient Air, 2nd - EPA Methods TO-15, 1999



Analyst



Technical Management Team

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AMBIENT AIR QUALITY ANALYSIS REPORT

CLIENT NAME	: GC Polyols Co., Ltd (Rayong Branch)	REQUEST SERVICE No.	: 1767/68
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING METHOD	: Subatmospheric Pressure Sampling
SAMPLING DATE	: 16-17/09/2025	ANALYTICAL DATE	: 24/09/2025
SAMPLING TIME	: 11:11-11:00	SAMPLE CONDITION	: Normal
RECEIVED DATE	: 18/09/2025	FILE CODE	: 225082_TO-15_September
REPORT DATE	: 25/09/2025		

Compound	Non Detection		SAMPLING LOCATION		STANDARD* ($\mu\text{g}/\text{m}^3$)
	*		Wat Map Chalute		
	ppbv	$\mu\text{g}/\text{m}^3$	ppbv	$\mu\text{g}/\text{m}^3$	
1,1,1-trichloroethane	0.04	0.22	ND	ND	-
1,2-dichloroethane	0.003	0.012	0.02	0.08	48
1-butanol	0.20	0.61	ND	ND	-
Benzene	0.004	0.013	0.11	0.35	7.6
Carbon tetrachloride	0.004	0.025	0.06	0.38	150
Cyclohexane	0.02	0.07	0.68	2.35	-
2-pentanone	0.04	0.14	ND	ND	-
3-pentanone	0.04	0.14	ND	ND	-
Pentanal	0.20	0.70	ND	ND	-
Trichloroethylene	0.006	0.032	ND	ND	130
1,2-dichloropropane	0.007	0.032	ND	ND	82
1,4-dioxane	0.10	0.36	ND	ND	860
Bromodichloromethane	0.02	0.13	ND	ND	-
Methyl isobutyl ketone	0.10	0.41	ND	ND	-
cis-1,3-dichloro-1-propene	0.04	0.18	ND	ND	-
trans-1,3-dichloro-1-propene	0.10	0.45	ND	ND	-
Toluene	0.02	0.08	0.19	0.72	-
1,1,2-trichloroethane	0.02	0.11	ND	ND	-
3-hexanone	0.10	0.41	ND	ND	-
2-hexanone	0.04	0.16	ND	ND	-
Hexanal	0.20	0.82	ND	ND	-
Dibromochloromethane	0.02	0.17	ND	ND	-
Tetrachloroethylene	0.006	0.041	ND	ND	400
1,2-dibromoethane	0.006	0.046	ND	ND	370
Chlorobenzene	0.02	0.09	0.02	0.09	-
Ethylbenzene	0.02	0.09	0.04	0.17	-
m,p-xylene	0.04	0.17	0.14	0.61	-
Styrene	0.02	0.09	0.04	0.17	-
o-xylene	0.02	0.09	0.02	0.09	-
Tribromomethane	0.02	0.21	0.02	0.21	-
1,1,2,2-tetrachloroethane	0.010	0.069	ND	ND	83
1,3,5-trimethylbenzene	0.02	0.10	ND	ND	-
1,2,4-trimethylbenzene	0.02	0.10	ND	ND	-
1,3-dichlorobenzene	0.02	0.12	ND	ND	-
Benzyl chloride	0.008	0.041	ND	ND	12
1,4-dichlorobenzene	0.008	0.048	ND	ND	1100
1,2,3-trimethylbenzene	0.02	0.10	ND	ND	-
1,2-dichlorobenzene	0.02	0.12	ND	ND	-
1,2,4-trichlorobenzene	0.02	0.15	ND	ND	-

Methods for the Determination of Toxic Organic Compounds in Ambient Air, 2nd : EPA Methods TO-15, 1999

Analyst

Technical Management Team

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AMBIENT AIR QUALITY ANALYSIS REPORT

CLIENT NAME	: GC Polyols Co., Ltd (Rayong Branch)	REQUEST SERVICE No.	: 1779/68
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING METHOD	: Subatmospheric Pressure Sampling
SAMPLING DATE	: 17-18/09/2025	ANALYTICAL DATE	: 26/09/2025
SAMPLING TIME	: 09:40-10:37	SAMPLE CONDITION	: Normal
RECEIVED DATE	: 19/09/2025	FILE CODE	: 225082_TO-15_September
REPORT DATE	: 30/09/2025		

Compound	Non Detection		SAMPLING LOCATION		STANDARD* ($\mu\text{g}/\text{m}^3$)
	Wat Map Chalute				
	ppbv	$\mu\text{g}/\text{m}^3$	ppbv	$\mu\text{g}/\text{m}^3$	
Difluorochloromethane	0.04	0.14	0.31	1.10	-
Propene	0.10	0.17	ND	ND	-
Dichlorodifluoromethane	0.02	0.10	0.44	2.18	-
Chloromethane	0.04	0.08	2.27	4.69	-
1,2-dichlorotetrafluoroethane	0.02	0.14	ND	ND	-
Acetaldehyde	0.20	0.36	4.15	7.46	860
Vinyl chloride	0.003	0.008	ND	ND	20
2-methyl-1-propene	0.10	0.23	0.16	0.37	-
1,3-butadiene	0.003	0.007	ND	ND	5.3
Bromomethane	0.004	0.016	ND	ND	190
Ethyl chloride	0.10	0.26	ND	ND	-
Ethanol	0.20	0.38	3.35	6.31	-
Trichlorofluoromethane	0.02	0.11	0.20	1.12	-
Acetonitrile	0.20	0.34	0.39	0.65	-
Acrolein	0.005	0.011	ND	ND	0.55
Acetone	0.10	0.24	17.91	42.55	-
Propanal	0.04	0.10	7.97	18.94	-
Isopropyl alcohol	0.04	0.12	0.36	0.89	-
Pentane	0.04	0.12	0.44	1.30	-
2-methyl-1,3-butadiene	0.04	0.11	0.13	0.36	-
1,1-dichloroethene	0.04	0.16	ND	ND	-
Acrylonitrile	0.005	0.011	ND	ND	10
1,1,2-trichloro-1,2,2-trifluoroethane	0.02	0.15	0.06	0.46	-
Iodomethane	0.02	0.12	ND	ND	-
Dichloromethane	0.007	0.024	2.95	10.23	210
Carbon disulfide	0.002	0.006	1.34	4.17	100
1-propanol	1.00	2.46	ND	ND	-
2-methoxy-2-methylpropane	0.02	0.07	ND	ND	-
trans-1,2-dichloroethene	0.02	0.07	ND	ND	-
Methacrolein	0.10	0.29	ND	ND	-
Cyclopentane	0.04	0.11	0.09	0.26	-
Acetic acid ethenyl ester	0.04	0.16	ND	ND	-
1,1-dichloroethane	0.04	0.16	ND	ND	-
Methyl vinyl ketone	0.10	0.29	0.17	0.49	-
Butanal	0.10	0.29	0.32	0.94	-
2-butanone	0.10	0.29	ND	ND	-
Hexane	0.04	0.14	0.34	1.18	-
cis-1,2-dichloroethene	0.04	0.16	ND	ND	-
Chloroform	0.005	0.024	<0.04	<0.20	57

Methods for the Determination of Toxic Organic Compounds in Ambient Air, 2nd EPA Methods TO-15, 1999



Analyst



Technical Management Team

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239 RIMKLONGPRAPA ROAD, BANGSUE, BANGKOK 10800, THAILAND

TEL. (662) 959-3600 FAX (662) 959-3535 Website : secot.co.th E-mail : envserv@secot.co.th

AMBIENT AIR QUALITY ANALYSIS REPORT

CLIENT NAME	: GC Polyols Co., Ltd (Rayong Branch)	REQUEST SERVICE No.	: 1779/68
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING METHOD	: Subatmospheric Pressure Sampling
SAMPLING DATE	: 17-18/09/2025	ANALYTICAL DATE	: 26/09/2025
SAMPLING TIME	: 09:40-10:37	SAMPLE CONDITION	: Normal
RECEIVED DATE	: 19/09/2025	FILE CODE	: 225082_TO-15_September
REPORT DATE	: 30/09/2025		

REPORT DATE : 30/09/2023

Compound	Non Detection		SAMPLING LOCATION		STANDARD* ($\mu\text{g}/\text{m}^3$)
	Wat Map Chalute				
	ppbv	$\mu\text{g}/\text{m}^3$	ppbv	$\mu\text{g}/\text{m}^3$	
1,1,1-trichloroethane	0.04	0.22	ND	ND	-
1,2-dichloroethane	0.003	0.012	0.04	0.16	48
1-butanol	0.20	0.61	ND	ND	-
Benzene	0.004	0.013	0.23	0.74	7.6
Carbon tetrachloride	0.004	0.025	0.06	0.38	150
Cyclohexane	0.02	0.07	1.19	4.10	-
2-pentanone	0.04	0.14	ND	ND	-
3-pentanone	0.04	0.14	ND	ND	-
Pentanal	0.20	0.70	ND	ND	-
Trichloroethylene	0.006	0.032	<0.04	<0.21	130
1,2-dichloropropane	0.007	0.032	ND	ND	82
1,4-dioxane	0.10	0.36	ND	ND	860
Bromodichloromethane	0.02	0.13	ND	ND	-
Methyl isobutyl ketone	0.10	0.41	ND	ND	-
cis-1,3-dichloro-1-propene	0.04	0.18	ND	ND	-
trans-1,3-dichloro-1-propene	0.10	0.45	ND	ND	-
Toluene	0.02	0.08	1.30	4.88	-
1,1,2-trichloroethane	0.02	0.11	ND	ND	-
3-hexanone	0.10	0.41	ND	ND	-
2-hexanone	0.04	0.16	ND	ND	-
Hexanal	0.20	0.82	ND	ND	-
Dibromochloromethane	0.02	0.17	ND	ND	-
Tetrachloroethylene	0.006	0.041	0.04	0.27	400
1,2-dibromoethane	0.006	0.046	ND	ND	370
Chlorobenzene	0.02	0.09	0.02	0.09	-
Ethylbenzene	0.02	0.09	0.11	0.48	-
m,p-xylene	0.04	0.17	0.14	0.61	-
Styrene	0.02	0.09	0.04	0.17	-
o-xylene	0.02	0.09	0.06	0.26	-
Tribromomethane	0.02	0.21	ND	ND	-
1,1,2,2-tetrachloroethane	0.010	0.069	ND	ND	83
1,3,5-trimethylbenzene	0.02	0.10	0.02	0.10	-
1,2,4-trimethylbenzene	0.02	0.10	0.06	0.29	-
1,3-dichlorobenzene	0.02	0.12	ND	ND	-
Benzyl chloride	0.008	0.041	ND	ND	12
1,4-dichlorobenzene	0.008	0.048	ND	ND	1100
1,2,3-trimethylbenzene	0.02	0.10	0.02	0.10	-
1,2-dichlorobenzene	0.02	0.12	ND	ND	-
1,2,4-trichlorobenzene	0.02	0.15	0.02	0.15	-

Methods for the Determination of Toxic Organic Compound in Ambient Air, 2nd : EPA Methods TO-15, 1999



Analyst



Technical Management Team

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TEL. (662) 959-3600 FAX (662) 959-3535 Website : secot.co.th E-mail : envserv@secot.co.th

AMBIENT AIR QUALITY ANALYSIS REPORT

CLIENT NAME	: GC Polyols Co., Ltd (Rayong Branch)	REQUEST SERVICE No.	: 1791/68
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING METHOD	: Subatmospheric Pressure Sampling
SAMPLING DATE	: 18-19/09/2025	ANALYTICAL DATE	: 29/09/2025
SAMPLING TIME	: 10:38-11:30	SAMPLE CONDITION	: Normal
RECEIVED DATE	: 20/09/2025	FILE CODE	: 225082_TO-15_September
REPORT DATE	: 30/09/2025		

Compound	Non Detection		SAMPLING LOCATION		STANDARD* ($\mu\text{g}/\text{m}^3$)
	Wat Map Chalute				
	ppbv	$\mu\text{g}/\text{m}^3$	ppbv	$\mu\text{g}/\text{m}^3$	
Difluorochloromethane	0.04	0.14	0.24	0.85	-
Propene	0.10	0.17	ND	ND	-
Dichlorodifluoromethane	0.02	0.10	0.51	2.52	-
Chloromethane	0.04	0.08	2.84	5.87	-
1,2-dichlorotetrafluoroethane	0.02	0.14	ND	ND	-
Acetaldehyde	0.20	0.36	1.88	3.38	860
Vinyl chloride	0.003	0.008	ND	ND	20
2-methyl-1-propene	0.10	0.23	0.39	0.90	-
1,3-butadiene	0.003	0.007	ND	ND	5.3
Bromomethane	0.004	0.016	ND	ND	190
Ethyl chloride	0.10	0.26	ND	ND	-
Ethanol	0.20	0.38	0.79	1.48	-
Trichlorofluoromethane	0.02	0.11	0.20	1.12	-
Acetonitrile	0.20	0.34	ND	ND	-
Acrolein	0.005	0.011	0.04	0.09	0.55
Acetone	0.10	0.24	1.07	2.55	-
Propanal	0.04	0.10	ND	ND	-
Isopropyl alcohol	0.04	0.12	0.04	0.10	-
Pentane	0.04	0.12	0.17	0.50	-
2-methyl-1,3-butadiene	0.04	0.11	0.28	0.78	-
1,1-dichloroethene	0.04	0.16	ND	ND	-
Acrylonitrile	0.005	0.011	ND	ND	10
1,1,2-trichloro-1,2,2-trifluoroethane	0.02	0.15	0.06	0.46	-
Iodomethane	0.02	0.12	ND	ND	-
Dichloromethane	0.007	0.024	ND	ND	210
Carbon disulfide	0.002	0.006	0.02	0.06	100
1-propanol	1.00	2.46	ND	ND	-
2-methoxy-2-methylpropane	0.02	0.07	ND	ND	-
trans-1,2-dichloroethene	0.02	0.07	ND	ND	-
Methacrolein	0.10	0.29	ND	ND	-
Cyclopentane	0.04	0.11	ND	ND	-
Acetic acid ethenyl ester	0.04	0.16	ND	ND	-
1,1-dichloroethane	0.04	0.16	ND	ND	-
Methyl vinyl ketone	0.10	0.29	ND	ND	-
Butanal	0.10	0.29	0.12	0.35	-
2-butanone	0.10	0.29	ND	ND	-
Hexane	0.04	0.14	0.06	0.21	-
cis-1,2-dichloroethene	0.04	0.16	ND	ND	-
Chloroform	0.005	0.024	<0.04	<0.20	57

Methods for the Determination of Toxic Organic Compounds in Ambient Air, 2nd EPA Methods TO-15, 1999



Analyst



Technical Management Team

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AMBIENT AIR QUALITY ANALYSIS REPORT

CLIENT NAME	: GC Polyols Co., Ltd (Rayong Branch)	REQUEST SERVICE No.	: 1791/68
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING METHOD	: Subatmospheric Pressure Sampling
SAMPLING DATE	: 18-19/09/2025	ANALYTICAL DATE	: 29/09/2025
SAMPLING TIME	: 10:38-11:30	SAMPLE CONDITION	: Normal
RECEIVED DATE	: 20/09/2025	FILE CODE	: 225082_TO-15_September
REPORT DATE	: 30/09/2025		

Compound	Non Detection		SAMPLING LOCATION		STANDARD* (µg/m ³)
			Wat Map Chalute		
	ppbv	µg/m ³	ppbv	µg/m ³	
1,1,1-trichloroethane	0.04	0.22	ND	ND	*
1,2-dichloroethane	0.003	0.012	ND	ND	48
1-butanol	0.20	0.61	ND	ND	*
Benzene	0.004	0.013	0.06	0.19	7.6
Carbon tetrachloride	0.004	0.025	0.06	0.38	150
Cyclohexane	0.02	0.07	2.03	6.99	*
2-pentanone	0.04 ¹	0.14	ND	ND	*
3-pentanone	0.04	0.14	ND	ND	*
Pentanal	0.20	0.70	ND	ND	*
Trichloroethylenc	0.006	0.032	ND	ND	130
1,2-dichloropropane	0.007	0.032	ND	ND	82
1,4-dioxane	0.10	0.36	ND	ND	860
Bromodichloromethane	0.02	0.13	ND	ND	*
Methyl isobutyl ketone	0.10	0.41	ND	ND	*
cis-1,3-dichloro-1-propene	0.04	0.18	ND	ND	*
trans-1,3-dichloro-1-propene	0.10	0.45	ND	ND	*
Toluene	0.02	0.08	0.17	0.64	*
1,1,2-trichloroethane	0.02 [*]	0.11	ND	ND	*
3-hexanone	0.10	0.41	ND	ND	*
2-hexanone	0.04	0.16	ND	ND	*
Hexanal	0.20	0.82	ND	ND	*
Dibromochloromethane	0.02	0.17	ND	ND	*
Tetrachloroethylene	0.006	0.041	ND	ND	400
1,2-dibromoethane	0.006	0.046	ND	ND	370
Chlorobenzene	0.02	0.09	0.04	0.18	*
Ethylbenzene	0.02	0.09	0.04	0.17	*
m,p-xylene	0.04	0.17	0.12	0.52	*
Styrene	0.02 [*]	0.09	0.04	0.17	*
o-xylene	0.02	0.09	0.04	0.17	*
Tribromomethane	0.02	0.21	0.02	0.21	*
1,1,2,2-tetrachloroethane	0.010	0.069	<0.10	<0.69	83
1,3,5-trimethylbenzene	0.02	0.10	0.02	0.10	*
1,2,4-trimethylbenzene	0.02	0.10	0.04	0.20	*
1,3-dichlorobenzene	0.02	0.12	0.02	0.12	*
Benzyl chloride	0.008	0.041	<0.10	<0.52	12
1,4-dichlorobenzenc	0.008	0.048	<0.04	<0.24	1100
1,2,3-trimethylbenzene	0.02	0.10	0.02	0.10	*
1,2-dichlorobenzene	0.02	0.12	ND	ND	*
1,2,4-trichlorobenzene	0.02	0.15	0.06	0.45	*

Methods for the Determination of Toxic Organic Compound in Ambient Air, 2nd EPA Methods TO-15, 1999

Analyst

Technical Management Team

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Ambient Air Monitoring Results : Nitrogen dioxide MTR-GCP

Location : Wat Map Chalute

Monitor Period : 12-19 Sep 2025

Analyzer Model : API 200A

Station No : SCT-15

Serial No : 2386

Site Operator : Mr. Siwanon Kulawong

Calibrator Model : Teledyne 700E

Serial No : 587

Calibration Gas Cylinder I.D.: EB0102326

Certified Date : 08 Jan 2025

Cal Concentration (ppb) : 0,100,200,400

Expire Date : 07 Jan 2026

Time	NO2 Concentration (ppm)						
	12-13 Sep 2025	13-14 Sep 2025	14-15 Sep 2025	15-16 Sep 2025	16-17 Sep 2025	17-18 Sep 2025	18-19 Sep 2025
09:00 - 10:00	0.0076	0.0050	0.0052	0.0061	0.0053	0.0077	0.0054
10:00 - 11:00	0.0086	0.0101	0.0100	0.0076	0.0094	0.0079	0.0092
11:00 - 12:00	0.0109	0.0099	0.0108	0.0053	0.0100	0.0046	0.0114
12:00 - 13:00	0.0082	0.0082	0.0116	0.0061	0.0114	0.0075	0.0107
13:00 - 14:00	0.0079	0.0099	0.0112	0.0081	0.0090	0.0107	0.0099
14:00 - 15:00	0.0087	0.0086	0.0087	0.0046	0.0096	0.0125	0.0058
15:00 - 16:00	0.0088	0.0097	0.0104	0.0056	0.0095	0.0112	0.0081
16:00 - 17:00	0.0105	0.0102	0.0115	0.0108	0.0088	0.0052	0.0070
17:00 - 18:00	0.0110	0.0084	0.0063	0.0096	0.0107	0.0066	0.0058
18:00 - 19:00	0.0086	0.0083	0.0076	0.0121	0.0098	0.0120	0.0059
19:00 - 20:00	0.0081	0.0104	0.0041	0.0104	0.0050	0.0066	0.0068
20:00 - 21:00	0.0106	0.0095	0.0065	0.0059	0.0104	0.0095	0.0075
21:00 - 22:00	0.0080	0.0113	0.0109	0.0056	0.0094	0.0061	0.0064
22:00 - 23:00	0.0109	0.0112	0.0082	0.0117	0.0094	0.0101	0.0101
23:00 - 00:00	0.0093	0.0072	0.0061	0.0098	0.0068	0.0121	0.0111
00:00 - 01:00	0.0094	0.0069	0.0045	0.0122	0.0048	0.0099	0.0098
01:00 - 02:00	0.0101	0.0048	0.0054	0.0071	0.0068	0.0067	0.0099
02:00 - 03:00	0.0042	0.0075	0.0027	0.0047	0.0052	0.0066	0.0095
03:00 - 04:00	0.0056	0.0075	0.0077	0.0043	0.0077	0.0076	0.0085
04:00 - 05:00	0.0042	0.0078	0.0016	0.0068	0.0042	0.0050	0.0085
05:00 - 06:00	0.0071	0.0049	0.0062	0.0063	0.0040	0.0061	0.0087
06:00 - 07:00	0.0046	0.0069	0.0010	0.0062	0.0060	0.0063	0.0107
07:00 - 08:00	0.0047	0.0050	0.0041	0.0052	0.0031	0.0070	0.0059
08:00 - 09:00	0.0063	0.0046	0.0044	0.0066	0.0032	0.0055	0.0075
Average-24Hr*	0.0081	0.0081	0.0069	0.0074	0.0075	0.0080	0.0083
Max-1Hr	0.0110	0.0113	0.0116	0.0122	0.0114	0.0125	0.0114
Min-1Hr	0.0042	0.0046	0.0010	0.0043	0.0031	0.0046	0.0054
Standard-1Hr	0.17 ppm(320 ug/cu.m)						
Standard-24Hr	-						

Remarks : * Average time between 09:00-09:00


 Environmental Scientist


 Technical Management Team

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Meteorological Monitoring Results : Wind Rose

MTR-GCP

Location : Wat Map Chalute

Monitor period : 12-19 Sep 2025

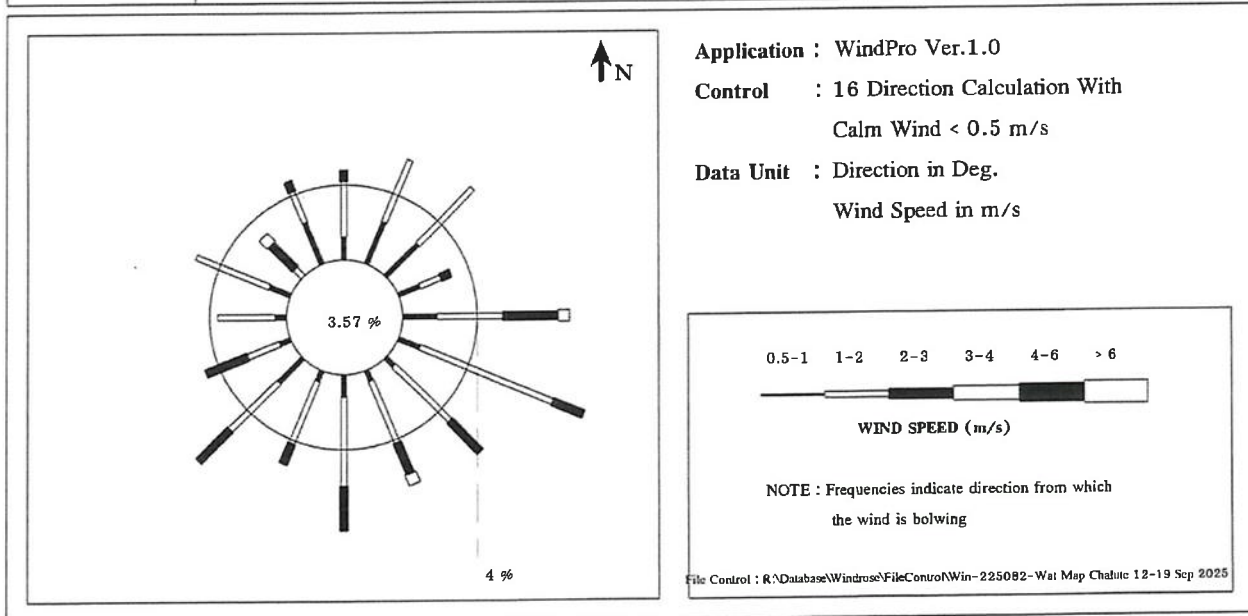
Wind Speed Model : Novalynx WS-25

Serial No : A4907

Wind Direction Model : Novalynx WS-25

Serial No : A4907

Direction	Percentage of Occurrence of Wind Direct Grouped in Various Wind Speed						Total
	0.5-1 m/s	1-2 m/s	2-3 m/s	3-4 m/s	4-6 m/s	More than 6	
N	0.0119	0.0298	0.0060	0.0000	0.0000	0.0000	0.0476
NNE	0.0238	0.0357	0.0000	0.0000	0.0000	0.0000	0.0595
NE	0.0238	0.0417	0.0000	0.0000	0.0000	0.0000	0.0655
ENE	0.0119	0.0119	0.0060	0.0000	0.0000	0.0000	0.0298
E	0.0179	0.0357	0.0298	0.0060	0.0000	0.0000	0.0893
ESE	0.0119	0.0774	0.0179	0.0000	0.0000	0.0000	0.1071
SE	0.0060	0.0417	0.0238	0.0000	0.0000	0.0000	0.0714
SSE	0.0060	0.0357	0.0179	0.0060	0.0000	0.0000	0.0655
S	0.0119	0.0476	0.0238	0.0000	0.0000	0.0000	0.0833
SSW	0.0060	0.0357	0.0119	0.0000	0.0000	0.0000	0.0536
SW	0.0179	0.0357	0.0238	0.0000	0.0000	0.0000	0.0774
WSW	0.0060	0.0179	0.0238	0.0000	0.0000	0.0000	0.0476
W	0.0060	0.0298	0.0000	0.0000	0.0000	0.0000	0.0357
WNW	0.0119	0.0417	0.0000	0.0000	0.0000	0.0000	0.0536
NW	0.0000	0.0060	0.0179	0.0060	0.0000	0.0000	0.0298
NNW	0.0238	0.0179	0.0060	0.0000	0.0000	0.0000	0.0476
CALM	0.0357						



Environmental Scientist

Technical Management Team



Meteorological Monitoring Results : Wind Rose

MTR-GCP

Location : Wat Map Chalute

Monitor period : 12-19 Sep 2025

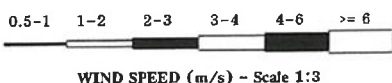
Wind Speed Model : Novalynx WS-25

Serial No : A4907

Wind Direction Model : Novalynx WS-25

Serial No : A4907

Time	12-13 Sep 2025		13-14 Sep 2025		14-15 Sep 2025		15-16 Sep 2025	
	WS(m/s)	WD	WS(m/s)	WD	WS(m/s)	WD	WS(m/s)	WD
09:00 - 10:00	1.6	S	1.8	S	1.1	ESE	2.1	N
10:00 - 11:00	1.4	S	1.4	WSW	1.1	W	2.3	E
11:00 - 12:00	1.6	SE	0.8	NNW	1.1	ESE	2.1	E
12:00 - 13:00	0.8	SW	0.4	WSW	0.8	NNE	2.1	SSE
13:00 - 14:00	0.8	S	0.6	WSW	1.4	SSW	2.1	SE
14:00 - 15:00	1.2	NNE	1.1	E	1.1	WSW	1.6	S
15:00 - 16:00	1.1	SW	1.1	N	1.1	S	1.6	SSE
16:00 - 17:00	0.8	NE	1.2	NE	0.8	N	1.2	NE
17:00 - 18:00	1.1	WNW	0.8	SSE	0.8	W	1.4	SW
18:00 - 19:00	0.8	NNW	1.1	SE	1.4	SSE	3.9	SSE
19:00 - 20:00	0.8	SW	0.8	E	1.2	NNE	1.6	ESE
20:00 - 21:00	1.1	NNW	0.6	SW	1.1	ENE	1.4	N
21:00 - 22:00	1.1	E	1.1	SSW	0.8	NNW	0.8	WNW
22:00 - 23:00	0.8	NE	0.8	ESE	0.8	NNE	1.4	N
23:00 - 24:00	0.4	NNW	1.1	W	1.1	NE	0.8	N
00:00 - 01:00	0.8	S	1.1	N	0.4	WSW	1.1	NE
01:00 - 02:00	1.1	ESE	0.8	ESE	1.4	SSE	0.8	E
02:00 - 03:00	1.4	E	0.8	WNW	1.8	W	1.1	ESE
03:00 - 04:00	1.6	E	0.4	NW	2.1	S	1.2	SSE
04:00 - 05:00	2.1	ESE	1.2	SE	2.5	SSE	1.4	NW
05:00 - 06:00	1.8	SE	1.2	WNW	2.5	SE	1.6	ESE
06:00 - 07:00	2.3	SSW	1.1	ESE	2.6	WSW	2.1	S
07:00 - 08:00	2.5	ESE	1.2	W	2.5	NW	2.1	ESE
08:00 - 09:00	2.3	SE	1.2	ESE	2.1	SSE	2.1	SW
Wind Rose								



File Control :R:\Database\Windrose\FileControl\Win-225082-Wat Map Chalute 12-19 Sep 2025


 Environmental Scientist


 Technical Management Team



Meteorological Monitoring Results : Wind Rose

MTR-GCP

Location : Wat Map Chalute

Monitor period : 12-19 Sep 2025

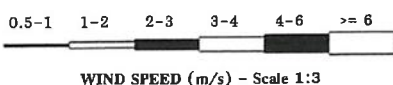
Wind Speed Model : Novalynx WS-25

Serial No : A4907

Wind Direction Model : Novalynx WS-25

Serial No : A4907

Time	16-17 Sep 2025		17-18 Sep 2025		18-19 Sep 2025		
	WS(m/s)	WD	WS(m/s)	WD	WS(m/s)	WD	
09:00 - 10:00	1.6	WNW	1.6	ESE	2.3	SW	
10:00 - 11:00	1.6	ESE	1.4	SSE	1.6	ESE	
11:00 - 12:00	1.2	SSW	1.2	SW	2.1	SE	
12:00 - 13:00	1.4	NE	1.2	SSW	2.5	SW	
13:00 - 14:00	1.6	SW	1.4	NNE	1.6	ENE	
14:00 - 15:00	1.6	ESE	2.1	E	1.6	WNW	
15:00 - 16:00	1.6	N	1.4	WNW	1.4	SE	
16:00 - 17:00	1.8	S	1.8	NNW	1.2	SSE	
17:00 - 18:00	2.3	S	1.1	WNW	1.8	NNW	
18:00 - 19:00	0.8	ENE	1.1	WNW	2.1	E	
19:00 - 20:00	0.6	SSW	0.4	N	1.4	ESE	
20:00 - 21:00	0.8	NNE	0.8	E	1.1	NE	
21:00 - 22:00	0.8	NNW	0.8	NNE	0.8	NE	
22:00 - 23:00	0.8	SE	1.2	E	1.1	NE	
23:00 - 24:00	0.8	ENE	1.2	NNE	0.4	NNW	
00:00 - 01:00	1.2	E	0.8	NE	1.2	SSW	
01:00 - 02:00	2.1	WSW	1.6	NNE	2.1	ENE	
02:00 - 03:00	1.6	SE	1.1	SE	1.6	S	
03:00 - 04:00	1.4	SW	2.1	WSW	2.1	SSW	
04:00 - 05:00	1.4	S	2.3	NNW	1.8	NNE	
05:00 - 06:00	1.4	WSW	3.3	NW	2.6	SW	
06:00 - 07:00	1.6	W	2.8	S	3.1	E	
07:00 - 08:00	1.6	SSW	2.3	NW	2.8	E	
08:00 - 09:00	1.8	SW	2.3	WSW	2.8	NW	
Wind Rose							



File Control :R:\Database\Windrose\FileControl\Win-225082-Wat Map Chalute 12-19 Sep 2025

Environmental Scientist

Technical Management Team



บริษัท ซีคอต จำกัด
SECOT CO., LTD.

239 ถนนริมคลองประปา แขวงบางซื่อ เขตบางซื่อ กรุงเทพฯ 10800
239 RIMKLONGPRAPA ROAD, BANGSUE, BANGKOK 10800, THAILAND
TEL : +66(0) 2959-3600 FAX : +66(0) 2959-3535 E-mail : envserv@secot.co.th

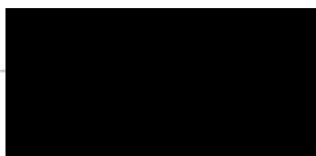
STACK EMISSION ANALYSIS REPORT

CLIENT NAME	: GC Polyols Company Limited.	REFERENCE NO.	: 225082-Stack_NOx CO
SAMPLING BY	: SECOT Co., Ltd.	REGISTRATION NO.	: 3-239
SAMPLING DATE	: 12/09/2025	SAMPLING TIME	: 15:05-15:20
RECEIVED DATE	: 17/09/2025	ANALYTICAL DATE	: 19/09/2025
REPORT DATE	: 10/10/2026	SAMPLE CONDITION	: Good
SOURCE DESCRIPTION	: Combustion	SITE OPERATOR	: Mr. Kittipong Thakoengsuk
FUEL TYPE	: Natural Gas	REGISTRATION NO.	: 3-239-0024
STACK LOCATION	: ปล่องของระบบ TO		

STACK DESCRIPTION

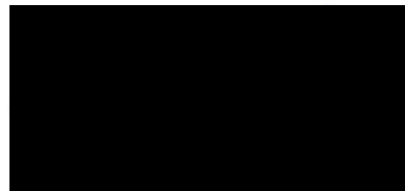
Height	: 60.0	m	Gas Velocity	: 6.1	m/s
Diameter	: 0.7	m	Flow rate*	: 36.5	Ncu.m./min
Temperature	: 598.8	°C	Excess Oxygen	: 11.9	%
Moisture content	: 22.8	%			

PARAMETER	UNIT	RESULT*		STANDARD	REFERENCE
		11.9%O ₂	7%O ₂	7%O ₂	METHOD
Oxides of Nitrogen (NO _x)	mg/Ncu.m.	14.93	23.06	376 ^{1/} (301 ^{2/})	US. EPA Method 7A
	ppm	7.93	12.25	200 ^{1/} (160 ^{2/})	
	g/s	0.009	-	0.367 ^{2/}	



Analyst

REG.NO. 3-239-3-0018



Technical Management Team

REG.NO. 3-239-3-0010

Remark : 1. Reported analysis refers to submitted sample only.

2. This report shall not be reproduced, except in full, without official approval.

3. * At standard pressure of 760 mm.Hg and temperature of 25 °C, dry basis.

4. ^{1/} Notification of Ministry of Industry B.E.2549 (2006)

5. ^{2/} The value was assigned in EIA report.

COPY



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239 RIMKLONGPRAPA ROAD, BANGSUE, BANGKOK 10800, THAILAND
TEL : +66(0) 2959-3600 FAX : +66(0) 2959-3535 E-mail : envserv@secot.co.th

STACK EMISSION ANALYSIS REPORT

CLIENT NAME	: GC Polyols Company Limited.	REFERENCE NO.	: 225082-Stack_NOx CO
SAMPLING BY	: SECOT Co., Ltd.	REGISTRATION NO.	: 3-239
SAMPLING DATE	: 12/09/2025	SAMPLING TIME	: 15:00-15:30
RECEIVED DATE	: 17/09/2025	ANALYTICAL DATE	: 18/09/2025
REPORT DATE	: 10/10/2026	SAMPLE CONDITION	: Good
SOURCE DESCRIPTION	: Combustion	SITE OPERATOR	: Mr. Kittipong Thakoengsuk
FUEL TYPE	: Natural Gas	REGISTRATION NO.	: 3-239-0024
STACK LOCATION	: ปล่องของระบบ TO		

STACK DESCRIPTION

Height	: 60.0	m	Gas Velocity	: 6.1	m/s
Diameter	: 0.7	m	Flow rate*	: 36.5	Ncu.m./min
Temperature	: 598.8	°C	Excess Oxygen	: 11.9	%
Moisture content	: 22.8	%			

PARAMETER	UNIT	RESULT*		STANDARD	REFERENCE
		11.9%O ₂	7%O ₂	7%O ₂	METHOD
Carbon monoxide (CO)	mg/Ncu.m.	23.94	36.98	790 ^{1/}	US. EPA Method 10
	ppm	20.90	32.28	690 ^{1/}	
	g/s	0.015	-	-	



Analyst

REG.NO. 3-239-ก-0001



Technical Management Team

REG.NO. 3-239-ก-0010

Remark : 1. Reported analysis refers to submitted sample only.

2. This report shall not be reproduced, except in full, without official approval.

3. * At standard pressure of 760 mm.Hg and temperature of 25 °C, dry basis.

4. ^{1/} Notification of Ministry of Industry B.E.2549 (2006) and Notification of Natural Resources and Environment B.E.2549 (2006)



บริษัท ซีคอต จำกัด
SECOT CO., LTD.

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TEL : +66(0) 2959-3600 FAX : +66(0) 2959-3535 E-mail : envserv@secot.co.th

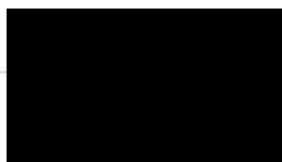
STACK EMISSION ANALYSIS REPORT

CLIENT NAME	: GC Polyols Company Limited.	REFERENCE NO.	: 225082-Stack_PO
SAMPLING BY	: SECOT Co., Ltd.	REGISTRATION NO.	: 2-239
SAMPLING DATE	: 12/09/2025	SAMPLING TIME	: 14:10-14:40
RECEIVED DATE	: 17/09/2025	ANALYTICAL DATE	: 25/09/2025
REPORT DATE	: 10/10/2026	SAMPLE CONDITION	: Good
SOURCE DESCRIPTION	: Exhaust	SITE OPERATOR	: Mr. Kittipong Thakoengsuk
FUEL TYPE	: -	REGISTRATION NO.	: 2-239-0024
STACK LOCATION	: ปล่องของ VOCs Wet Scrubber		

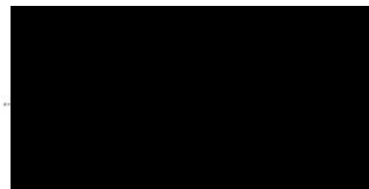
STACK DESCRIPTION

Height	: 18.5	m	Gas Velocity	: 4.5	m/s
Diameter	: 0.15	m	Flow rate*	: 4.2	Ncu.m./min
Temperature	: 40.0	°C	Excess Oxygen	: 13.2	%
Moisture content	: 5.3	%			

PARAMETER	UNIT	RESULT*		STANDARD	REFERENCE
		13.2%O ₂	7%O ₂	7%O ₂	METHOD
Propylene Oxide	mg/Ncu.m.	0.45	0.81	4 ^{1/}	US. EPA Method 18
	ppm	0.19	0.34	1.69 ^{1/}	
	g/s	0.00003	-	0.0005 ^{1/}	



Analyst



Technical Management Team

Remark : 1. Reported analysis refers to submitted sample only.

2. This report shall not be reproduced, except in full, without official approval.

3. * At standard pressure of 760 mm.Hg and temperature of 25 °C, dry basis.

4. ^{1/} The value was assigned in EIA report.

COPY

Test Report

Request No : W6807093

Report No : 6807-0611

Customer : GC Polyols Company Limited.**

Address : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150**

Sampling Source : GCP Plant**

Sample No : W 68070330

Sample Name : Final Check Basin**

Sampling Date : 02/07/2025**

Sampling By : ETC**

Sampling Time : 8:50 AM**

Sampling Method : Grab**

Received Date : 03/07/2025

Tested Date : 03/07/2025 - 09/07/2025

Reported Date : 11/07/2025

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	10.9	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	80	≤750
Oil and Grease *	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	5.8	5.5 - 9
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	32	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	296	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	23	≤200

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L (2 Bottle) , PE 1.8 L , G 1.0 L]

Remark : 1./1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

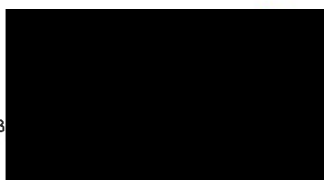
2. # = ISO/IEC 17025:2017 Accredited by DSS, SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ท-0017)*

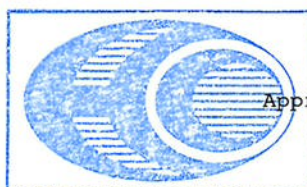
5. ** = These data are non laboratory data. / GPS = Sampling at UTM 47 P 731277E 1405406N

Examined By



(จ-003-ท-0007)

11/07/2025



Approved By



(N

(จ-003-ท-0005)

11/07/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

Test Report

Request No : W6807093

Report No : 6807-0612

Customer : GC Polyols Company Limited.**

Address : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150**

Sampling Source : GCP Plant**

Sample No : W 68070331

Sample Name : Cooling Water Blowdown Hold Sump**

Sampling Date : 02/07/2025**

Sampling By : ETC**

Sampling Time : 9:00 AM**

Sampling Method : Grab**

Received Date : 03/07/2025

Tested Date : 03/07/2025 - 10/07/2025

Reported Date : 11/07/2025

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤750
Oil and Grease *	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.1	5.5 - 9
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	31	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	362	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	< 5	≤200

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [PE 0.5 L (2 Bottle) , PE 1.8 L , G 1.0 L]

Remark : 1./1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. # = ISO/IEC 17025:2017 Accredited by DSS, SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ท-0017)*

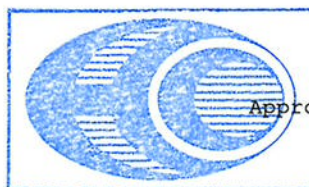
5. ** = These data are non laboratory data. / GPS = Sampling at UTM 47 P 731257E 1405411N

Examined By :

(M

(จ-003-ท-0007)

11/07/2025



Approved By

(N

(จ-003-ท-0005)

11/07/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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WITHOUT THE WRITTEN APPROVAL LABORATORY

Test Report

Request No : W6807093

Report No : 6807-0612

Customer : GC Polyols Company Limited.

Address : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

Sampling Source : GCP Plant

Sample No : W 68070331

Sample Name : Cooling Water Blowdown Hold Sump

Sampling Date : 02/07/2025

Sampling By : ETC

Sampling Time : 9:00 AM

Sampling Method : Grab

Received Date : 03/07/2025

Tested Date : 03/07/2025 - 10/07/2025

Reported Date : 11/07/2025

Parameter	Unit	Method	Result	Standard ¹
Total Organic Carbon (TOC) #	ppm	Combustion Infrared	8.31	-

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [PE 0.5 L (2 Bottle) , PE 1.8 L , G 1.0 L]

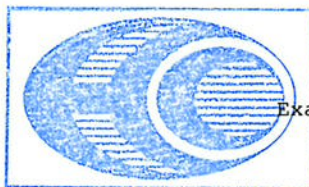
Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. # Tested by the office of Public Health and Environmental Technology Services Faculty of Public Health Mahidol University

3. GPS = Sampling at UTM 47 P 731257E 1405411N

4. Sampling By Mr. Parkpoom Buasawad

5. ppm = mg/L



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REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6808186

Report No : 6808-0877

Customer : GC Polyols Company Limited.**

Address : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150**

Sampling Source : GCP Plant**

Sample No : W 68080544

Sample Name : Final Check Basin**

Sampling Date : 06/08/2025**

Sampling By : ETC**

Sampling Time : 8:45 AM**

Sampling Method : Grab**

Received Date : 07/08/2025

Tested Date : 08/08/2025 - 14/08/2025

Reported Date : 18/08/2025

Parameter	Unit	Method	Result	Standard/ ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	5.5	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	57	≤750
Oil and Grease *	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.6	5.5 - 9
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	29	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	242	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	13	≤200

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L (2 Bottle) , PE 1.8 L , G 1.0 L]

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. # = ISO/IEC 17025:2017 Accredited by DSS, SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Miss Jiraporn Pankong is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

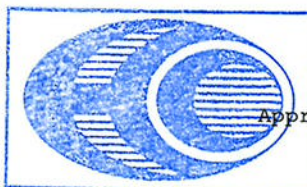
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (1-003-ท-0016)*

5. ** = These data are non laboratory data. / GPS = Sampling at UTM 47 P 731277E 1405406N

Examined By

(1-003-ท-0009)

18/08/2025



Approved By

(M

(1-003-ท-0005)

18/08/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

Test Report

Request No : W6808186

Report No : 6808-0878

Customer : GC Polyols Company Limited.**

Address : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150**

Sampling Source : GCP Plant**

Sample No : W 68080545

Sample Name : Cooling Water Blowdown Hold Sump**

Sampling Date : 06/08/2025**

Sampling By : ETC**

Sampling Time : 8:55 AM**

Sampling Method : Grab**

Received Date : 07/08/2025

Tested Date : 08/08/2025 - 14/08/2025

Reported Date : 18/08/2025

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤750
Oil and Grease *	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.7	5.5 - 9
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	31	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	380	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	22	≤200

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L (2 Bottle) , PE 1.8 L , G 1.0 L]

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

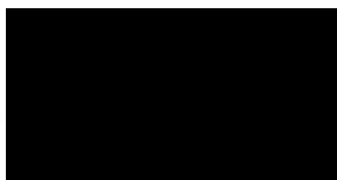
2. # = ISO/IEC 17025:2017 Accredited by DSS, SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Miss Jiraporn Pankong is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (1-003-ก-0016)*

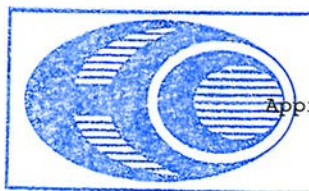
5. ** = These data are non laboratory data. / GPS = Sampling at UTM 47 P 731257E 1405411N

Examined By

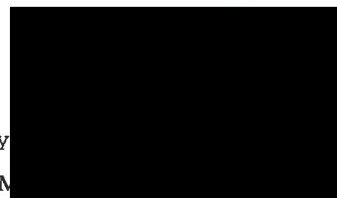


(1-003-ก-0009)

18/08/2025



Approved By



(1-003-ก-0005)

18/08/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6808186

Report No : 6808-0878

Customer : GC Polyols Company Limited.

Address : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

Sampling Source : GCP Plant

Sample No : W 68080545

Sample Name : Cooling Water Blowdown Hold Sump

Sampling Date : 06/08/2025

Sampling By : ETC

Sampling Time : 8:55 AM

Sampling Method : Grab

Received Date : 07/08/2025

Tested Date : 08/08/2025 - 14/08/2025

Reported Date : 18/08/2025

Parameter	Unit	Method	Result	Standard ¹
Total Organic Carbon (TOC) #	ppm	Combustion Infrared	6.00	-

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L (2 Bottle) , PE 1.8 L , G 1.0 L]

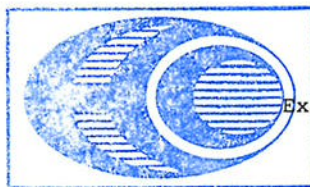
Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. # Tested by the office of Public Health and Environmental Technology Services Faculty of Public Health Mahidol University

3. GPS = Sampling at UTM 47 P 731257E 1405411N

4. Sampling By Mr. Songpon Phiwuan

5. ppm = mg/L



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18/08/2025

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Test Report

Request No : W6809111

Report No : 6809-1041

Customer : GC Polyols Company Limited.**

Address : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150**

Sampling Source : GCP Plant**

Sample No : W 68090369

Sample Name : Final Check Basin**

Sampling Date : 03/09/2025**

Sampling By : ETC**

Sampling Time : 8:25 AM**

Sampling Method : Grab**

Received Date : 04/09/2025

Tested Date : 04/09/2025 - 11/09/2025

Reported Date : 15/09/2025

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.3	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	51	≤750
Oil and Grease @	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	4.7	≤10
pH (on site) *		Electrometric Method	7.7	5.5 - 9
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	32	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	376	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	9	≤200

Physical Appearance : 1. Sample : Wastewater (yellowish, lightly SS)

2. Container : Normal [PE 0.5 L (2 Bottle) , PE 1.8 L , G 1.0 L]

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

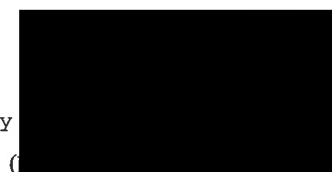
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (จ-003-ท-0031)*

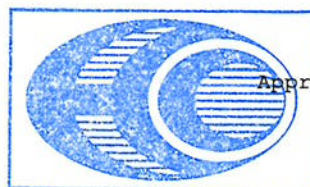
5. ** = These data are non laboratory data. / GPS = Sampling at UTM 47 P 731277E 1405406N

Examined By

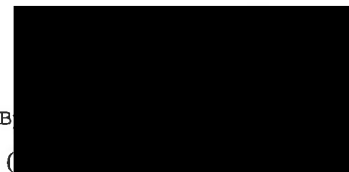


(จ-003-ท-0007)

15/09/2025



Approved By



(จ-003-ท-0005)

15/09/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6809111

Report No : 6809-1042

Customer : GC Polyols Company Limited.**

Address : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150**

Sampling Source : GCP Plant**

Sample No : W 68090370

Sample Name : Cooling Water Blowdown Hold Sump**

Sampling Date : 03/09/2025**

Sampling By : ETC**

Sampling Time : 8:30 AM**

Sampling Method : Grab**

Received Date : 04/09/2025

Tested Date : 04/09/2025 - 11/09/2025

Reported Date : 15/09/2025

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤750
Oil and Grease @	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	8.0	5.5 - 9
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	30	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	597	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	< 5	≤200

Physical Apperance : 1. Sample : Wastewater (yellowish, lightly SS)

2. Container : Normal [PE 0.5 L (2 Bottle) , PE 1.8 L , G 1.0 L]

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

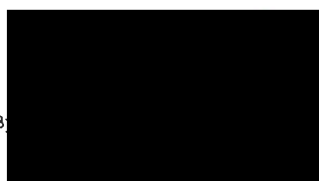
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (จ-003-ก-0031)*

5. ** = These data are non laboratory data. / GPS = Sampling at UTM 47 P 731257E 1405411N

Examined By



(จ-003-ก-0007)
15/09/2025



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(จ-003-ก-0005)
15/09/2025

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Test Report

Request No : W6809111

Report No : 6809-1042

Customer : GC Polyols Company Limited.

Address : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

Sampling Source : GCP Plant

Sample No : W 68090370

Sample Name : Cooling Water Blowdown Hold Sump

Sampling Date : 03/09/2025

Sampling By : ETC

Sampling Time : 8:30 AM

Sampling Method : Grab

Received Date : 04/09/2025

Tested Date : 04/09/2025 - 11/09/2025

Reported Date : 15/09/2025

Parameter	Unit	Method	Result	Standard/ ¹
Total Organic Carbon (TOC) #	ppm	Combustion Infrared	9.48	-

Physical Apperance : 1. Sample : Wastewater (yellowish, lightly SS)

2. Container : Normal [PE 0.5 L (2 Bottle) , PE 1.8 L , G 1.0 L]

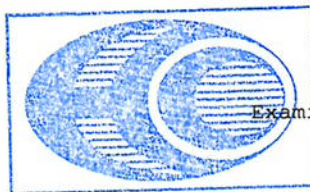
Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. # Tested by the office of Public Health and Environmental Technology Services Faculty of Public Health Mahidol University

3. GPS = Sampling at UTM 47 P 731257E 1405411N

4. Sampling By Mr. Supharerk Phatklang

5. ppm = mg/L



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Examined By

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15/09/2025

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Test Report

Request No : W6810049

Report No : 6810-0522

Customer : GC Polyols Company Limited.**

Address : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150**

Sampling Source : GCP Plant**

Sample No : W 68100188

Sample Name : Final Check Basin**

Sampling Date : 01/10/2025**

Sampling By : ETC**

Sampling Time : 11:20 AM**

Sampling Method : Grab**

Received Date : 02/10/2025

Tested Date : 02/10/2025 - 08/10/2025

Reported Date : 10/10/2025

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	12.2	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	80	≤750
Oil and Grease @	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.3	5.5 - 9
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	31	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	240	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	19	≤200

Physical Apperance : 1. Sample : Wastewater (yellow, lightly SS)

2. Container : Normal [PE 0.5 L [2 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

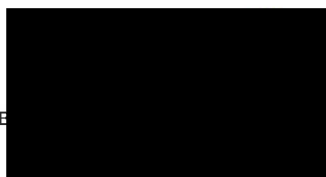
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

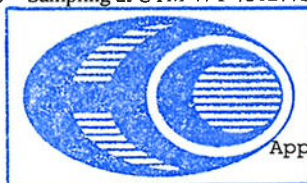
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Aocha Khwansirimongkhon (จ-003-ก-0034)*

5. ** = These data are non laboratory data. / GPS = Sampling at UTM 47 P 731277E 1405406N

Examined By

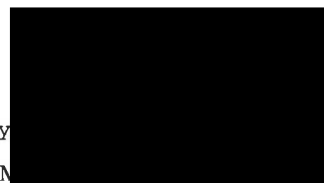


(จ-003-ก-0007)
10/10/2025



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(จ-003-ก-0005)
10/10/2025

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Test Report

Request No : W6810049

Report No : 6810-0523

Customer : GC Polyols Company Limited.**

Address : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150**

Sampling Source : GCP Plant**

Sample No : W 68100189

Sample Name : Cooling Water Blowdown Hold Sump**

Sampling Date : 01/10/2025**

Sampling By : ETC**

Sampling Time : 11:30 AM**

Sampling Method : Grab**

Received Date : 02/10/2025

Tested Date : 02/10/2025 - 08/10/2025

Reported Date : 10/10/2025

Parameter	Unit	Method	Result	Standard/ ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	3.7	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	54	≤750
Oil and Grease @	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.8	5.5 - 9
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	31	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	338	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	< 5	≤200

Physical Apperance : 1. Sample : Wastewater (yellow, lightly SS)

2. Container : Normal [PE 0.5 L [2 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

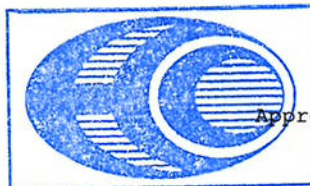
3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Aocha Khwansirimongkhon (จ-003-ก-0034)*

5. ** = These data are non laboratory data. / GPS = Sampling at UTM 47 P 731257E 1405411N

Examined By

(จ-003-ค-0007)
10/10/2025



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10/10/2025

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Test Report

Request No : W6810049

Report No : 6810- 0523

Customer : GC Polyols Company Limited.

Address : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

Sampling Source : GCP Plant

Sample No : W 68100189

Sample Name : Cooling Water Blowdown Hold Sump

Sampling Date : 01/10/2025

Sampling By : ETC

Sampling Time : 11:30 AM

Sampling Method : Grab

Received Date : 02/10/2025

Tested Date : 02/10/2025 - 08/10/2025

Reported Date : 10/10/2025

Parameter	Unit	Method	Result	Standard ¹
Total Organic Carbon (TOC)	# ppm	Combustion Infrared	13.03	-

Physical Apperance : 1. Sample : Wastewater (yellow, lightly SS)

2. Container : Normal [PE 0.5 L [2 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. # Tested by the office of Public Health and Environmental Technology Services Faculty of Public Health Mahidol University

3. GPS = Sampling at UTM 47 P 731257E 1405411N

4. Sampling By Mr. Aocha Khwansirimongkhon

5. ppm = mg/L



Examined

10/10/2025

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Test Report

Request No : W6811130

Report No : 6811-1268

Customer : GC Polyols Company Limited.**

Address : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150**

Sampling Source : GCP Plant**

Sample No : W 68110435

Sample Name : Final Check Basin**

Sampling Date : 05/11/2025**

Sampling By : ETC**

Sampling Time : 8:50 AM**

Sampling Method : Grab**

Received Date : 06/11/2025

Tested Date : 06/11/2025 - 18/11/2025

Reported Date : 18/11/2025

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.0	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	45	≤750
Oil and Grease @	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.2	5.5 - 9
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	29	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	253	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	< 5	≤200

Physical Apperance : 1. Sample : Wastewater (yellow, lightly SS)

2. Container : Normal [PE 0.5 L [2 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

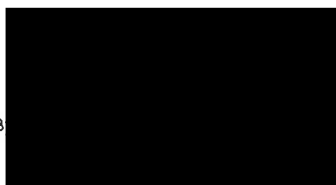
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharek Phatklang (จ-003-ค-0031)*

5. ** = These data are non laboratory data. / GPS = Sampling at UTM 47 P 731277E 1405406N

Examined B

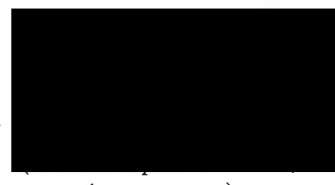


(จ-003-ค-0007)
18/11/2025



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18/11/2025

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Test Report

Request No : W6811130

Report No : 6811-1269

Customer : GC Polyols Company Limited.**

Address : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150**

Sampling Source : GCP Plant**

Sample No : W 68110436

Sample Name : Cooling Water Blowdown Hold Sump**

Sampling Date : 05/11/2025**

Sampling By : ETC**

Sampling Time : 8:55 AM**

Sampling Method : Grab**

Received Date : 06/11/2025

Tested Date : 06/11/2025 - 18/11/2025

Reported Date : 18/11/2025

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤750
Oil and Grease @	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.5	5.5 - 9
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	28	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	282	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	< 5	≤200

Physical Apperance : 1. Sample : Wastewater (yellow, lightly SS)

2. Container : Normal [PE 0.5 L [2 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

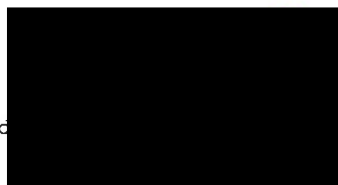
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (จ-003-ค-0031)*

5. ** = These data are non laboratory data. / GPS = Sampling at UTM 47 P 731257E 1405411N

Examined

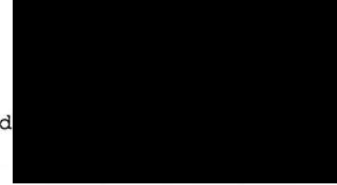


(จ-003-ค-0007)
18/11/2025



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(จ-003-ค-0005)
18/11/2025

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Test Report

Request No : W6811130

Report No : 6811-1269

Customer : GC Polyols Company Limited.

Address : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

Sampling Source : GCP Plant

Sample No : W 68110436

Sample Name : Cooling Water Blowdown Hold Sump

Sampling Date : 05/11/2025

Sampling By : ETC

Sampling Time : 8:55 AM

Sampling Method : Grab

Received Date : 06/11/2025

Tested Date : 06/11/2025 - 18/11/2025

Reported Date : 18/11/2025

Parameter	Unit	Method	Result	Standard ¹
Total Organic Carbon (TOC)	# ppm	Combustion Infrared	6.02	-

Physical Apperance : 1. Sample : Wastewater (yellow, lightly SS)

2. Container : Normal [PE 0.5 L [2 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

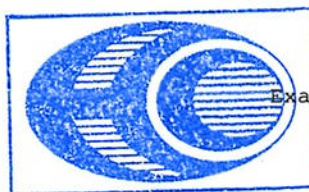
Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. # Tested by the office of Public Health and Environmental Technology Services Faculty of Public Health Mahidol University

3. GPS = Sampling at UTM 47 P 731257E 1405411N

4. Sampling By Mr. Supharek Phatklang

5. ppm = mg/L



Examined By

18/11/2025

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

Test Report

Customer : GC Polyols Company Limited.**

Request No : W6812110

Address : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150**

Report No : 6812-1008

Sampling Source : GCP Plant**

Sample No : W 68120384

Sample Name : Final Check Basin**

Sampling Date : 03/12/2025**

Sampling By : ETC**

Sampling Time : 8:35 AM**

Sampling Method : Grab**

Received Date : 04/12/2025

Tested Date : 04/12/2025 - 12/12/2025

Reported Date : 15/12/2025

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	30.8	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	232	≤750
Oil and Grease @	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	6.8	5.5 - 9
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	27	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	248	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	105	≤200

Physical Apperance : 1. Sample : Wastewater (green, turbid)

2. Container : Normal [PE 0.5 L [2 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

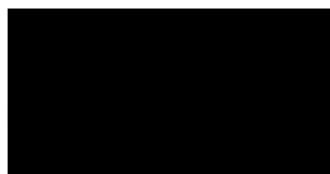
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharek Phatklang (จ-003-ค-0031)*

5. ** = These data are non laboratory data. / GPS = Sampling at UTM 47 P 731277E 1405406N

Examined



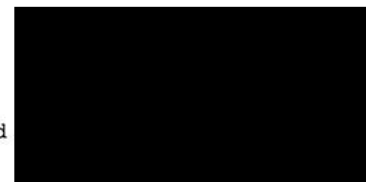
(จ-003-ค-0007)

15/12/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved



(จ-003-ค-0005)

15/12/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

Test Report

Request No : W6812110

Report No : 6812-1009

Customer : GC Polyols Company Limited.**

Address : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150**

Sampling Source : GCP Plant**

Sample No : W 68120385

Sample Name : Cooling Water Blowdown Hold Sump**

Sampling Date : 03/12/2025**

Sampling By : ETC**

Sampling Time : 8:45 AM**

Sampling Method : Grab**

Received Date : 04/12/2025

Tested Date : 04/12/2025 - 12/12/2025

Reported Date : 15/12/2025

Parameter	Unit	Method	Result	Standard/ ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤750
Oil and Grease @	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.1	5.5 - 9
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	27	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	258	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	< 5	≤200

Physical Apperance : 1. Sample : Wastewater (yellowish, lightly SS)

2. Container : Normal [PE 0.5 L [2 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

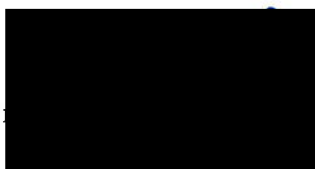
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

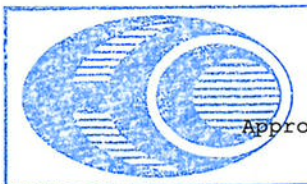
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharek Phatklang (จ-003-ก-0031)*

5. ** = These data are non laboratory data. / GPS = Sampling at UTM 47 P 731257E 1405411N

Examined

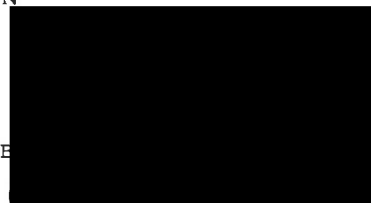


(จ-003-ก-0007)
15/12/2025



บริษัท อีสเทิร์นไทยคอนซัลต์ 1992 จำกัด
15/12/2025

Approved By



(จ-003-ก-0005)
15/12/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

Test Report

Request No : W6812110

Report No : 6812-1009

Customer : GC Polyols Company Limited.

Address : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

Sampling Source : GCP Plant

Sample No : W 68120385

Sample Name : Cooling Water Blowdown Hold Sump

Sampling Date : 03/12/2025

Sampling By : ETC

Sampling Time : 8:45 AM

Sampling Method : Grab

Received Date : 04/12/2025

Tested Date : 04/12/2025 - 12/12/2025

Reported Date : 15/12/2025

Parameter	Unit	Method	Result	Standard ¹
Total Organic Carbon (TOC) #	ppm	Combustion Infrared	7.15	-

Physical Apperance : 1. Sample : Wastewater (yellowish, lightly SS)

2. Container : Normal [PE 0.5 L [2 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

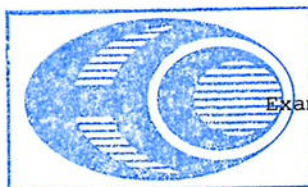
Remark : 1. /1 Eastern Industrial Estate (Map ta Phut) , Maximum levels for Wastewater Discharging to Central Wastewater Treatment Plant

2. # Tested by the office of Public Health and Environmental Technology Services Faculty of Public Health Mahidol University

3. GPS = Sampling at UTM 47 P 731257E 1405411N

4. Sampling By Mr. Supharerk Phatklang

5. ppm = mg/L



Examined By

15/12/2025

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
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TEST REPORT

CUSTOMER : GC Polyols Company Limited**
ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong, 21150**
SAMPLE SOURCE : GCP Plant**
SAMPLE POINT : บริเวณริมรั้วโรงงานด้านทิศเหนือ**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , $L_{90\#}$ & $L_{dn\#}$
DETERMINATION METHOD : ISO 1996-1:2016##
INSTRUMENT : Integrated Sound Level Meter
S/N 01120947 : Class 1

SAMPLE NO. : 49123
MEASURING DATE : 08-09/12/2025
RECEIVED DATE : 15/12/2025
REPORTED DATE : 17/12/2025

TIME \ DATE	08-09/12/2025 (L_{eq})	08-09/12/2025 (L_{max})	08-09/12/2025 ($L_{90\#}$)	UNIT
09:00 - 10:00 ³	59.8	72.3	58.8	dB(A)
10:00 - 11:00	59.6	71.6	58.7	dB(A)
11:00 - 12:00	59.5	64.6	58.6	dB(A)
12:00 - 13:00	59.4	67.5	58.5	dB(A)
13:00 - 14:00	59.1	68.1	58.2	dB(A)
14:00 - 15:00	58.9	69.6	58.0	dB(A)
15:00 - 16:00	58.8	70.6	57.8	dB(A)
16:00 - 17:00	58.9	65.1	58.0	dB(A)
17:00 - 18:00	59.1	73.4	58.3	dB(A)
18:00 - 19:00	58.8	66.6	58.2	dB(A)
19:00 - 20:00	58.8	64.8	58.2	dB(A)
20:00 - 21:00	58.8	61.5	58.3	dB(A)
21:00 - 22:00	58.6	63.7	58.1	dB(A)
22:00 - 23:00	58.5	63.1	58.0	dB(A)
23:00 - 00:00	58.5	61.0	58.1	dB(A)
00:00 - 01:00	58.6	61.3	58.1	dB(A)
01:00 - 02:00	58.5	60.7	58.1	dB(A)
02:00 - 03:00	58.5	61.8	58.1	dB(A)
03:00 - 04:00	58.5	60.8	58.0	dB(A)
04:00 - 05:00	58.4	63.8	58.0	dB(A)
05:00 - 06:00	58.6	63.5	58.1	dB(A)
06:00 - 07:00	59.2	77.3	58.5	dB(A)
07:00 - 08:00	59.1	68.2	58.4	dB(A)
08:00 - 09:00	58.7	65.7	58.0	dB(A)
L_{eq} 24 hr.	58.9	-	-	dB(A)
$L_{dn\#}$	65.1	-	-	dB(A)
Maximum	-	77.3	-	dB(A)
Standard	70 ^{1/,2}	115 ^{1/,2}	-	dB(A)

REMARK : # Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory
ISO 1996-1:2016, Notification of The Department of Industrial Works on Methods for Measuring Noise Annoyance, Noise Level 24-Hour Average and Maximum Noise Level From Factory B.E. 2567 (2024), Dated February 21, 2024, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on The General Noise Level Standards, Dated April 3, 1997, Notification of The Pollution Control Department on The Calculation of The Noise Level, Dated November 25, 1997
^{1/} Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)
^{2/} Notification of Ministry of the Industry B.E. 2548 (2005)
^{3/} Start Time
* Parameter Outside The Scope of The Registration of The Department of Industrial Works.
(Ms. Thanatporn Klinsoon is Section Head, Mrs. Wanpen J hapchindawat is Technical Management)
(Measurement By Mr. Suphakorn Noppornpitak)
** These Data are Non Laboratory Data



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

17/12/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

TEST REPORT

CUSTOMER : GC Polyols Company Limited**
ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong, 21150**
SAMPLE SOURCE : GCP Plant**
SAMPLE POINT : บริเวณริมรั้วโรงงานด้านทิศเหนือ**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , $L_{90\#}$ & $L_{dn\#}$
DETERMINATION METHOD : ISO 1996-1:2016##
INSTRUMENT : Integrated Sound Level Meter
S/N 01120947 : Class 1

SAMPLE NO. : 49124
MEASURING DATE : 09-10/12/2025
RECEIVED DATE : 15/12/2025
REPORTED DATE : 17/12/2025

TIME \ DATE	09-10/12/2025 (L_{eq})	09-10/12/2025 (L_{max})	09-10/12/2025 ($L_{90\#}$)	UNIT
09:00 - 10:00 ¹³	58.8	69.8	57.7	dB(A)
10:00 - 11:00	58.9	63.8	58.1	dB(A)
11:00 - 12:00	58.9	77.0	58.0	dB(A)
12:00 - 13:00	58.9	65.2	58.1	dB(A)
13:00 - 14:00	60.0	85.5	58.4	dB(A)
14:00 - 15:00	59.0	67.3	58.1	dB(A)
15:00 - 16:00	59.1	67.1	58.6	dB(A)
16:00 - 17:00	59.1	73.7	58.4	dB(A)
17:00 - 18:00	59.4	75.3	58.1	dB(A)
18:00 - 19:00	58.7	65.2	58.2	dB(A)
19:00 - 20:00	60.3	76.2	59.0	dB(A)
20:00 - 21:00	63.7	84.1	60.3	dB(A)
21:00 - 22:00	59.5	62.4	59.0	dB(A)
22:00 - 23:00	60.1	80.4	59.6	dB(A)
23:00 - 00:00	59.9	65.4	59.5	dB(A)
00:00 - 01:00	59.9	61.9	59.4	dB(A)
01:00 - 02:00	61.6	77.9	59.5	dB(A)
02:00 - 03:00	60.5	78.8	59.2	dB(A)
03:00 - 04:00	61.9	78.9	59.5	dB(A)
04:00 - 05:00	60.3	76.9	59.1	dB(A)
05:00 - 06:00	60.0	63.8	59.2	dB(A)
06:00 - 07:00	60.3	69.8	59.4	dB(A)
07:00 - 08:00	61.5	82.0	59.3	dB(A)
08:00 - 09:00	61.6	82.7	59.1	dB(A)
L_{eq} 24 hr.	60.3	-	-	dB(A)
$L_{dn\#}$	66.9	-	-	dB(A)
Maximum	-	85.5	-	dB(A)
Standard	70 ^{11,12}	115 ^{11,12}	-	dB(A)

REMARK : [#] Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory
^{##} ISO 1996-1:2016, Notification of The Department of Industrial Works on Methods for Measuring Noise Annoyance, Noise Level 24-Hour Average and Maximum Noise Level From Factory B.E. 2567 (2024), Dated February 21, 2024, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on The General Noise Level Standards, Dated April 3, 1997, Notification of The Pollution Control Department on The Calculation of The Noise Level, Dated November 25, 1997
¹¹ Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)
¹² Notification of Ministry of the Industry B.E. 2548 (2005)
¹³ Start Time
* Parameter Outside The Scope of The Registration of The Department of Industrial Works.
(Ms. Thanatporn Klinsopon is Section Head, Mrs. Wanpen Chaichindawat is Technical Management)
(Measurement By Mr. Suphakorn Noppornpitak)
** These Data are Non Laboratory Data



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

17/12/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

TEST REPORT

CUSTOMER : GC Polyols Company Limited**
ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong, 21150**
SAMPLE SOURCE : GCP Plant**
SAMPLE POINT : บริเวณริมรั้วโรงงานด้านทิศเหนือ**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , $L_{90\#}$ & $L_{dn\#}$
DETERMINATION METHOD : ISO 1996-1:2016##
INSTRUMENT : Integrated Sound Level Meter
S/N 01120947 : Class 1

SAMPLE NO. : 49125
MEASURING DATE : 10-11/12/2025
RECEIVED DATE : 15/12/2025
REPORTED DATE : 17/12/2025

TIME \ DATE	10-11/12/2025 (L_{eq})	10-11/12/2025 (L_{max})	10-11/12/2025 ($L_{90\#}$)	UNIT
09:00 - 10:00 ¹³	64.0	81.7	58.9	dB(A)
10:00 - 11:00	60.9	78.8	59.3	dB(A)
11:00 - 12:00	64.5	85.7	58.8	dB(A)
12:00 - 13:00	59.6	65.0	58.6	dB(A)
13:00 - 14:00	60.4	73.5	58.9	dB(A)
14:00 - 15:00	59.6	66.3	58.7	dB(A)
15:00 - 16:00	60.2	77.0	59.1	dB(A)
16:00 - 17:00	60.5	73.8	59.9	dB(A)
17:00 - 18:00	59.8	71.9	58.9	dB(A)
18:00 - 19:00	59.8	68.0	59.0	dB(A)
19:00 - 20:00	60.0	73.2	59.0	dB(A)
20:00 - 21:00	60.4	76.5	58.9	dB(A)
21:00 - 22:00	59.7	65.2	58.9	dB(A)
22:00 - 23:00	59.7	62.4	58.9	dB(A)
23:00 - 00:00	59.6	62.0	58.9	dB(A)
00:00 - 01:00	59.7	63.1	58.9	dB(A)
01:00 - 02:00	59.5	67.5	58.9	dB(A)
02:00 - 03:00	59.8	63.0	59.1	dB(A)
03:00 - 04:00	61.6	77.6	59.2	dB(A)
04:00 - 05:00	60.0	65.6	59.3	dB(A)
05:00 - 06:00	60.2	66.3	59.4	dB(A)
06:00 - 07:00	60.3	70.6	59.5	dB(A)
07:00 - 08:00	60.2	65.9	59.3	dB(A)
08:00 - 09:00	60.0	75.2	59.1	dB(A)
L_{eq} 24 hr.	60.6	-	-	dB(A)
$L_{dn\#}$	66.6	-	-	dB(A)
Maximum	-	85.7	-	dB(A)
Standard	70 ^{11,12}	115 ^{11,12}	-	dB(A)

REMARK : [#] Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory
^{##} ISO 1996-1:2016, Notification of The Department of Industrial Works on Methods for Measuring Noise Annoyance, Noise Level 24-Hour Average and Maximum Noise Level From Factory B.E. 2567 (2024), Dated February 21, 2024, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on The General Noise Level Standards, Dated April 3, 1997, Notification of The Pollution Control Department on The Calculation of The Noise Level, Dated November 25, 1997
¹¹ Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)
¹² Notification of Ministry of the Industry B.E. 2548 (2005)
¹³ Start Time
* Parameter Outside The Scope of The Registration of The Department of Industrial Works.
(Ms. Thanatporn Klinsonon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)
(Measurement By Mr. Suphakorn Noppornpitak)
** These Data are Non Laboratory Data



Approved By.....

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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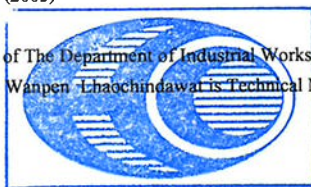
TEST REPORT

CUSTOMER : GC Polyols Company Limited**
ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong, 21150**
SAMPLE SOURCE : GCP Plant**
SAMPLE POINT : บริเวณริมรั้วโรงงานด้านทิศเหนือ**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , $L_{90\#}$ & $L_{dn\#}$
DETERMINATION METHOD : ISO 1996-1:2016##
INSTRUMENT : Integrated Sound Level Meter
S/N 01120947 : Class 1

SAMPLE NO. : 49126
MEASURING DATE : 11-12/12/2025
RECEIVED DATE : 15/12/2025
REPORTED DATE : 17/12/2025

TIME \ DATE	11-12/12/2025 (L_{eq})	11-12/12/2025 (L_{max})	11-12/12/2025 ($L_{90\#}$)	UNIT
09:00 - 10:00 ³	60.4	75.0	59.2	dB(A)
10:00 - 11:00	61.6	77.7	59.5	dB(A)
11:00 - 12:00	59.9	74.5	59.0	dB(A)
12:00 - 13:00	59.3	65.4	58.5	dB(A)
13:00 - 14:00	59.1	66.1	58.2	dB(A)
14:00 - 15:00	59.8	75.5	58.6	dB(A)
15:00 - 16:00	59.6	66.0	59.0	dB(A)
16:00 - 17:00	61.7	80.1	59.7	dB(A)
17:00 - 18:00	61.0	82.3	59.1	dB(A)
18:00 - 19:00	59.7	69.3	59.1	dB(A)
19:00 - 20:00	59.5	63.2	58.9	dB(A)
20:00 - 21:00	59.2	62.0	58.8	dB(A)
21:00 - 22:00	59.2	62.5	58.8	dB(A)
22:00 - 23:00	59.4	64.4	58.8	dB(A)
23:00 - 00:00	59.4	62.4	58.9	dB(A)
00:00 - 01:00	59.3	62.1	58.8	dB(A)
01:00 - 02:00	59.2	62.2	58.7	dB(A)
02:00 - 03:00	59.6	75.7	58.7	dB(A)
03:00 - 04:00	61.2	75.7	58.7	dB(A)
04:00 - 05:00	59.8	76.5	58.7	dB(A)
05:00 - 06:00	59.4	66.0	58.8	dB(A)
06:00 - 07:00	59.4	68.2	58.9	dB(A)
07:00 - 08:00	59.8	71.6	59.0	dB(A)
08:00 - 09:00	59.5	72.3	58.9	dB(A)
L_{eq} 24 hr.	59.9	-	-	dB(A)
$L_{dn\#}$	66.1	-	-	dB(A)
Maximum	-	82.3	-	dB(A)
Standard	70 ^{1,2}	115 ^{1,2}	-	dB(A)

REMARK : [#] Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory
^{##} ISO 1996-1:2016, Notification of The Department of Industrial Works on Methods for Measuring Noise Annoyance, Noise Level 24-Hour Average and Maximum Noise Level From Factory B.E. 2567 (2024), Dated February 21, 2024, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on The General Noise Level Standards, Dated April 3, 1997, Notification of The Pollution Control Department on The Calculation of The Noise Level, Dated November 25, 1997
^{1/} Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)
¹² Notification of Ministry of the Industry B.E. 2548 (2005)
¹³ Start Time
* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Ms. Thanatporn Klinsoon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)
(Measurement By Mr. Suphakorn Noppornpitak)
** These Data are Non Laboratory Data



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By...

17/12/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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WITHOUT THE WRITTEN APPROVAL LABORATORY

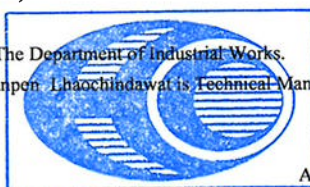
TEST REPORT

CUSTOMER : GC Polyols Company Limited**
ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong, 21150**
SAMPLE SOURCE : GCP Plant**
SAMPLE POINT : บริเวณริมรั้วโรงงานด้านทิศเหนือ**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , $L_{90\#}$ & $L_{dn\#}$
DETERMINATION METHOD : ISO 1996-1:2016##
INSTRUMENT : Integrated Sound Level Meter
S/N 01120947 : Class 1

SAMPLE NO. : 49127
MEASURING DATE : 12-13/12/2025
RECEIVED DATE : 15/12/2025
REPORTED DATE : 17/12/2025

TIME \ DATE	12-13/12/2025 (L_{eq})	12-13/12/2025 (L_{max})	12-13/12/2025 ($L_{90\#}$)	UNIT
09:00 - 10:00 ³	60.2	72.2	59.3	dB(A)
10:00 - 11:00	59.7	72.4	58.8	dB(A)
11:00 - 12:00	59.5	64.5	58.6	dB(A)
12:00 - 13:00	59.5	64.9	58.8	dB(A)
13:00 - 14:00	60.2	77.0	59.3	dB(A)
14:00 - 15:00	60.4	72.4	59.5	dB(A)
15:00 - 16:00	62.0	80.8	59.3	dB(A)
16:00 - 17:00	62.1	75.6	60.0	dB(A)
17:00 - 18:00	60.3	74.4	59.2	dB(A)
18:00 - 19:00	60.0	66.8	59.0	dB(A)
19:00 - 20:00	59.9	77.2	58.9	dB(A)
20:00 - 21:00	60.9	77.3	59.3	dB(A)
21:00 - 22:00	61.4	77.8	59.5	dB(A)
22:00 - 23:00	59.6	66.9	59.2	dB(A)
23:00 - 00:00	59.4	63.2	58.9	dB(A)
00:00 - 01:00	59.2	62.0	58.7	dB(A)
01:00 - 02:00	59.4	76.1	58.7	dB(A)
02:00 - 03:00	60.1	76.3	58.7	dB(A)
03:00 - 04:00	60.0	76.9	58.8	dB(A)
04:00 - 05:00	60.6	76.8	58.9	dB(A)
05:00 - 06:00	59.7	67.4	59.0	dB(A)
06:00 - 07:00	60.0	74.2	59.0	dB(A)
07:00 - 08:00	59.9	74.2	58.9	dB(A)
08:00 - 09:00	59.4	65.8	58.8	dB(A)
L_{eq} 24 hr.	60.2	-	-	dB(A)
$L_{dn\#}$	66.3	-	-	dB(A)
Maximum	-	80.8	-	dB(A)
Standard	70 ^{1/,2}	115 ^{1/,2}	-	dB(A)

REMARK : [#] Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory
^{##} ISO 1996-1:2016, Notification of The Department of Industrial Works on Methods for Measuring Noise Annoyance, Noise Level 24-Hour Average and Maximum Noise Level From Factory B.E. 2567 (2024), Dated February 21, 2024, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on The General Noise Level Standards, Dated April 3, 1997, Notification of The Pollution Control Department on The Calculation of The Noise Level, Dated November 25, 1997
^{1/} Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)
^{2/} Notification of Ministry of the Industry B.E. 2548 (2005)
^{3/} Start Time
* Parameter Outside The Scope of The Registration of The Department of Industrial Works.
(Ms. Thanatporn Klinsoon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)
(Measurement By Mr. Suphakorn Noppornpitak)
** These Data are Non Laboratory Data



Approved By.

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

17/12/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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TEST REPORT

CUSTOMER : GC Polyols Company Limited**
ADDRESS : 9 Soi G-14, Pakom Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong, 21150**
SAMPLE SOURCE : GCP Plant**
SAMPLE POINT : บริเวณริมรั้วโรงงานด้านทิศเหนือ**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , $L_{90\#}$ & $L_{dn\#}$
DETERMINATION METHOD : ISO 1996-1:2016##
INSTRUMENT : Integrated Sound Level Meter
S/N 01120947 : Class 1

SAMPLE NO. : 49128
MEASURING DATE : 13-14/12/2025
RECEIVED DATE : 15/12/2025
REPORTED DATE : 17/12/2025

TIME \ DATE	13-14/12/2025 (L_{eq})	13-14/12/2025 (L_{max})	13-14/12/2025 ($L_{90\#}$)	UNIT
09:00 - 10:00 ³	59.5	68.1	58.8	dB(A)
10:00 - 11:00	59.5	68.0	58.9	dB(A)
11:00 - 12:00	59.8	65.8	58.9	dB(A)
12:00 - 13:00	60.0	69.5	59.2	dB(A)
13:00 - 14:00	60.2	68.2	59.4	dB(A)
14:00 - 15:00	59.7	64.2	59.1	dB(A)
15:00 - 16:00	60.1	66.0	59.4	dB(A)
16:00 - 17:00	59.6	68.1	59.0	dB(A)
17:00 - 18:00	59.9	75.6	59.0	dB(A)
18:00 - 19:00	59.3	68.2	58.7	dB(A)
19:00 - 20:00	59.5	65.9	59.0	dB(A)
20:00 - 21:00	59.3	64.0	58.9	dB(A)
21:00 - 22:00	59.4	65.6	58.9	dB(A)
22:00 - 23:00	59.5	63.1	59.2	dB(A)
23:00 - 00:00	59.5	64.6	59.0	dB(A)
00:00 - 01:00	59.3	61.8	58.8	dB(A)
01:00 - 02:00	60.3	75.8	59.0	dB(A)
02:00 - 03:00	59.5	66.1	59.2	dB(A)
03:00 - 04:00	61.1	76.8	59.1	dB(A)
04:00 - 05:00	60.1	75.3	58.7	dB(A)
05:00 - 06:00	59.5	69.3	58.6	dB(A)
06:00 - 07:00	59.4	67.0	58.8	dB(A)
07:00 - 08:00	59.5	67.6	58.6	dB(A)
08:00 - 09:00	59.6	74.1	58.2	dB(A)
L_{eq} 24 hr.	59.7	-	-	dB(A)
$L_{dn\#}$	66.2	-	-	dB(A)
Maximum	-	76.8	-	dB(A)
Standard	70 ^{1/,2}	115 ^{1/,2}	-	dB(A)

REMARK :

Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory

ISO 1996-1:2016, Notification of The Department of Industrial Works on Methods for Measuring Noise Annoyance, Noise Level 24-Hour Average and Maximum Noise Level From Factory B.E. 2567 (2024), Dated February 21, 2024, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on The General Noise Level Standards, Dated April 3, 1997, Notification of The Pollution Control Department on The Calculation of The Noise Level, Dated November 25, 1997

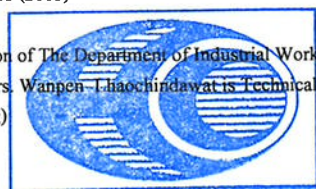
^{1/} Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)

^{2/} Notification of Ministry of the Industry B.E. 2548 (2005)

^{3/} Start Time

* Parameter Outside The Scope of The Registration of The Department of Industrial Works.
(Ms. Thanatporn Klinsoon is Section Head, Mrs. Wanpen Thachindawat is Technical Management)
(Measurement By Mr. Suphakorn Noppornpitak)

** These Data are Non Laboratory Data



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By..

17/12/2025

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TEST REPORT

CUSTOMER : GC Polyols Company Limited**
ADDRESS : 9 Soi G-14, Pakom Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong, 21150**
SAMPLE SOURCE : GCP Plant**
SAMPLE POINT : บริเวณริมรั้วโรงงานด้านทิศเหนือ**
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., L_{max} , $L_{90\#}$ & $L_{dn\#}$
DETERMINATION METHOD : ISO 1996-1:2016##
INSTRUMENT : Integrated Sound Level Meter
S/N 01120947 : Class 1

SAMPLE NO. : 49129
MEASURING DATE : 14-15/12/2025
RECEIVED DATE : 15/12/2025
REPORTED DATE : 17/12/2025

TIME \ DATE	14-15/12/2025 (L_{eq})	14-15/12/2025 (L_{max})	14-15/12/2025 ($L_{90\#}$)	UNIT
09:00 - 10:00 ³	59.2	65.3	58.2	dB(A)
10:00 - 11:00	59.1	65.9	58.3	dB(A)
11:00 - 12:00	59.4	68.3	58.6	dB(A)
12:00 - 13:00	59.2	68.1	58.5	dB(A)
13:00 - 14:00	59.5	69.4	58.6	dB(A)
14:00 - 15:00	60.6	75.3	58.8	dB(A)
15:00 - 16:00	59.2	63.9	58.7	dB(A)
16:00 - 17:00	59.2	63.3	58.5	dB(A)
17:00 - 18:00	62.7	83.0	58.6	dB(A)
18:00 - 19:00	59.5	75.6	58.5	dB(A)
19:00 - 20:00	59.3	63.6	58.7	dB(A)
20:00 - 21:00	60.3	73.8	59.0	dB(A)
21:00 - 22:00	59.2	66.3	58.6	dB(A)
22:00 - 23:00	59.1	62.2	58.6	dB(A)
23:00 - 00:00	59.1	63.5	58.6	dB(A)
00:00 - 01:00	59.0	61.3	58.5	dB(A)
01:00 - 02:00	58.9	62.2	58.5	dB(A)
02:00 - 03:00	60.4	76.3	58.4	dB(A)
03:00 - 04:00	61.4	76.6	58.3	dB(A)
04:00 - 05:00	58.7	66.2	58.2	dB(A)
05:00 - 06:00	59.1	67.5	58.3	dB(A)
06:00 - 07:00	59.5	78.6	58.7	dB(A)
07:00 - 08:00	59.2	66.2	58.4	dB(A)
08:00 - 09:00	59.8	74.3	58.4	dB(A)
L_{eq} 24 hr.	59.7	-	-	dB(A)
$L_{dn\#}$	66.0	-	-	dB(A)
Maximum	-	83.0	-	dB(A)
Standard	70 ^{1/,2}	115 ^{1/,2}	-	dB(A)

REMARK : [#] Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory
^{##} ISO 1996-1:2016, Notification of The Department of Industrial Works on Methods for Measuring Noise Annoyance, Noise Level 24-Hour Average and Maximum Noise Level From Factory B.E. 2567 (2024), Dated February 21, 2024, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on The General Noise Level Standards, Dated April 3, 1997, Notification of The Pollution Control Department on The Calculation of The Noise Level, Dated November 25, 1997

^{1/} Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)

^{2/} Notification of Ministry of the Industry B.E. 2548 (2005)

^{3/} Start Time

* Parameter Outside The Scope of The Registration of The Department of Industrial Works.
(Ms. Thanatporn Klinsonop is Section Head, Mrs. Wanpen Lhaochindawata is Technical Management)
(Measurement By Mr. Suphakorn Noppornpitak)

** These Data are Non Laboratory Data



Approved By...

17/12/2025

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
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Request No. ATR6808037

Report No. 6808-0520

TEST REPORT

CUSTOMER : GC Polyols Company Limited.

ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GCP Plant

SAMPLE NAME : พื้นที่กระบวนการผลิต บริเวณที่ 1 (PPG ชั้น 1) SAMPLE NO : A68080520

SAMPLING DATE : 19/08/2025 SAMPLING TIME : 09:24-10:14

RECEIVED DATE : 22/08/2025 TESTED DATE : 26/08/2025

SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min REPORTED DATE : 09/09/2025

Serial No. 218385

PARAMETER**	TEST METHOD	RESULT ²	STD ¹	UNIT
Propylene Oxide	NIOSH 1612/GC-FID	ND	240	mg/m ³
		ND	100	ppm

REMARK:¹ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017),

Concentration Limits of Hazardous Chemicals.

² ND = Non detectable : When detection limit of Propylene Oxide is less than 0.10 mg/m³ or 0.05 ppm.

** Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Mr. Witchawan Singto)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 731279E 1405371N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By ...

09/09/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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Request No. ATR6808037

Report No. 6808-0521

TEST REPORT

CUSTOMER : GC Polyols Company Limited.

ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GCP Plant

SAMPLE NAME : พื้นที่กระบวนการผลิต บริเวณที่ 1 (PPG ชั้น 1) SAMPLE NO : A68080521

SAMPLING DATE : 19/08/2025 SAMPLING TIME : 09:24-10:24

RECEIVED DATE : 22/08/2025 TESTED DATE : 04/09/2025

SAMPLING INSTRUMENT : Passive Sampling REPORTED DATE : 09/09/2025

PARAMETER**	TEST METHOD	RESULT ²	STD ¹	UNIT
Ethylene Oxide	OSHA 1010/GC-μECD	ND	1.8	mg/m ³
		ND	1.0	ppm

REMARK:

¹ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017),
Concentration Limits of Hazardous Chemicals.

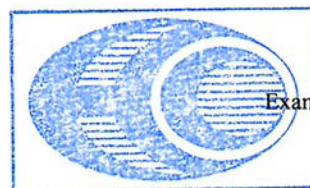
² ND = Non detectable : detection limit of Ethylene Oxide is less than 0.05 mg/m³ or 0.03 ppm.

** Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Mr. Witchawan Singto)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 731279E 1405371N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By ...

09/09/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. ATR6808037

Report No. 6808-0522

TEST REPORT

CUSTOMER : GC Polyols Company Limited.

ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GCP Plant

SAMPLE NAME : พื้นที่กระบวนการผลิต บริเวณที่ 2 (POP ชั้น 1)

SAMPLING DATE : 19/08/2025 SAMPLE NO : A68080522

RECEIVED DATE : 21/08/2025 SAMPLING TIME : 09:20-10:20

SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 21/08/2025-28/08/2025

Serial No. 218403 REPORTED DATE : 09/09/2025

PARAMETER*	TEST METHOD	RESULT	STD ¹	UNIT
Styrene	Sorbent Adsorption,	<3.78	426	mg/m ³
	Gas Chromatography/NIOSH 1501	<0.89	100	ppm

REMARK:

¹ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017),
Concentration Limits of Hazardous Chemicals.

* Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008
and No.0202-03-2564-0005.

(Sampling By Mr. Witchawan Singto)

GPS = Sampling at UTM 47P 731258E 1405395N

Examined By ..

09/09/2025



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By ..

09/09/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. ATR6808037

Report No. 6808-0523

TEST REPORT

CUSTOMER : GC Polyols Company Limited.

ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GCP Plant

SAMPLE NAME : พื้นที่กระบวนการผลิต บริเวณที่ 2 (POP ชั้น 1)

SAMPLING DATE : 19/08/2025 SAMPLE NO : A68080523

RECEIVED DATE : 22/08/2025 SAMPLING TIME : 09:20-10:20

SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 01/09/2025
Serial No. 218383 REPORTED DATE : 09/09/2025

PARAMETER**	TEST METHOD	RESULT ²	STD ¹	UNIT
Acrylonitrile	NIOSH 1604/GC-FID	ND	4.0	mg/m ³
		ND	2.0	ppm

REMARK:

¹ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017),
Concentration Limits of Hazardous Chemicals.

² ND = Non detectable : When detection limit of Acrylonitrile is less than 0.05 mg/m³ or 0.02 ppm.

** Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Mr. Witchawan Singto)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 731258E 1405395N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

09/09/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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Request No. ATR6812014

Report No. 6812-0298

TEST REPORT

CUSTOMER : GC Polyols Company Limited.
ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GCP Plant
SAMPLE NAME : พื้นที่กระบวนการผลิต บริเวณที่ 1 (PPG ชั้น 1)
SAMPLING DATE : 02/12/2025 SAMPLE NO. : A68120298
RECEIVED DATE : 08/12/2025 SAMPLING TIME : 09:20-10:10
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 11/12/2025
Serial No. 218406 REPORTED DATE : 22/12/2025

PARAMETER**	TEST METHOD	RESULT	STD ¹	UNIT
Propylene Oxide	NIOSH 1612/GC-FID	0.23	240	mg/m ³
		0.10	100	ppm

REMARK:

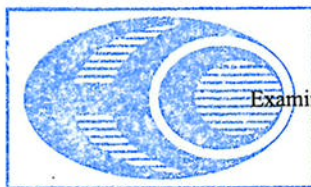
¹ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.

** Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Suttha Songthaninai)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 731279E 1405371N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.

22/12/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. ATR6812014

Report No. 6812-0299

TEST REPORT

CUSTOMER : GC Polyols Company Limited.

ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GCP Plant

SAMPLE NAME : พื้นที่กระบวนการผลิต บริเวณที่ 1 (PPG ชั้น 1) SAMPLE NO : A68120299

SAMPLING DATE : 02/12/2025 SAMPLING TIME : 09:20-10:20

RECEIVED DATE : 08/12/2025 TESTED DATE : 12/12/2025

SAMPLING INSTRUMENT : Passive Sampling REPORTED DATE : 22/12/2025

PARAMETER**	TEST METHOD	RESULT ²	STD ¹	UNIT
Ethylene Oxide	OSHA 1010/Gc-μECD	ND	1.8	mg/m ³
		ND	1.0	ppm

REMARK:

¹ Notification of The Department of Labour Protection and Welfare B.E.2560 (2017),
Concentration Limits of Hazardous Chemicals.

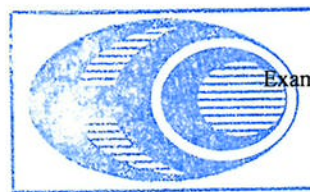
² ND = Non detectable : detection limit of Ethylene Oxide is less than 0.05 mg/m³ or 0.03 ppm.

** Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Mr. Suttha Songthaninai)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 731279E 1405371N



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By .

22/12/2025

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

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Request No. ATR6812014

Report No. 6812-0300

TEST REPORT

CUSTOMER : GC Polyols Company Limited.

ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GCP Plant

SAMPLE NAME : พื้นที่กระบวนการผลิต บริเวณที่ 2 (POP ชั้น 1)

SAMPLING DATE : 02/12/2025 SAMPLE NO. : A68120300

RECEIVED DATE : 04/12/2025 SAMPLING TIME : 09:15-10:15

SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 04/12/2025-10/12/2025

Serial No. 218403 REPORTED DATE : 22/12/2025

PARAMETER*	TEST METHOD	RESULT	STD ^{1/}	UNIT
Styrene	Sorbent Adsorption, Gas	< 3.78	426	mg/m ³
	Chromatography/NIOSH 1501	< 0.89	100	ppm

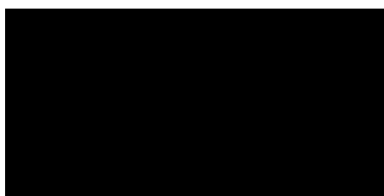
REMARK:^{1/} Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.

* Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008 and No.0202-03-2564-0005.

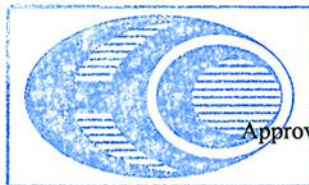
(Sampling By Mr. Suttha Songthaninai)

GPS = Sampling at UTM 47P 731258E 1405395N

Examined By

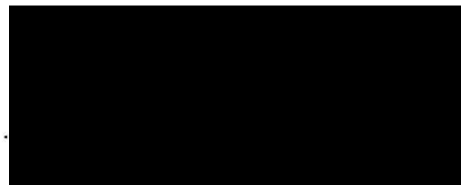


22/12/2025



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Approved By



22/12/2025

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Request No. ATR6812014

Report No. 6812-0301

TEST REPORT

CUSTOMER : GC Polyols Company Limited.
ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150
SAMPLE SOURCE : GCP Plant
SAMPLE NAME : พื้นที่กระบวนการผลิต บริเวณที่ 2 (POP ชั้น 1)
SAMPLING DATE : 02/12/2025 SAMPLE NO. : A68120301
RECEIVED DATE : 08/12/2025 SAMPLING TIME : 09:15-10:15
SAMPLING INSTRUMENT : Personal Pump Flow rate 0.10 L/min TESTED DATE : 10/12/2025
Serial No. 218413 REPORTED DATE : 22/12/2025

PARAMETER**	TEST METHOD	RESULT ^{/2}	STD ^{/1}	UNIT
Acrylonitrile	NIOSH 1604/GC-FID	ND	4.0	mg/m ³
		ND	2.0	ppm

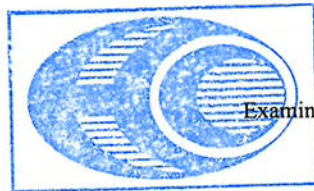
REMARK:^{/1} Notification of The Department of Labour Protection and Welfare B.E.2560 (2017), Concentration Limits of Hazardous Chemicals.^{/2} ND = Non detectable : When detection limit of Acrylonitrile is less than 0.05 mg/m³ or 0.02 ppm.

** Parameter have License Registration of Department of Labour Protection and Welfare No.0201-03-2564-0008

Sampling By Eastern Thai Consulting 1992 Co.,Ltd., (Mr. Suttha Songthaninai)

Analysed By SECOT Co.,Ltd.

GPS = Sampling at UTM 47P 731258E 1405395N



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Examined By.

22/12/2025

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Request No. LA68-R0860

Report No. R6808-2794

TEST REPORT

CUSTOMER : GC Polyols Company Limited

ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GCP Plant

SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift A (Morning Shift) (คุณฉัฐวุฒิ ดิษภา ID 26008288)

MEASURING DATE : 19/08/2025 SAMPLE NO. : 28878

RECEIVED DATE : 19/08/2025 SAMPLING TIME : 07:00-19:00

SAMPLING INSTRUMENT : Noise dosimeter : S/N CA8886 REPORTED DATE : 21/08/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	78.9	83 ^{/1}	dB(A)
L _{max} 12 hr	95.8	115 ^{/3}	dB(A)
12 Hour dose	36.75	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	80.7	85 ^{/1}	dB(A)

REMARK :

^{/1} Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

^{/2} Standard of National Institute for Occupational Safety and Health, Occupational Noise Exposure Revised Criteria 1998

^{/3} Regulation of The Ministry of Labour B.E. 2559 (2016)

[#] Based on Criteria 85 dB(A) ; 3 dB Exchange Rate

* Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009
(Measurement By Ms. Ratmanee Nakket)



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Approved By..

21/08/2025

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Request No. LA68-R0860

Report No. R6808-2792

TEST REPORT

CUSTOMER : GC Polyols Company Limited

ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GCP Plant

SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift A (Morning Shift) (คุณเชียวธานี ชุ่มผา ID 26008299)

MEASURING DATE : 19/08/2025 SAMPLE NO. : 28876

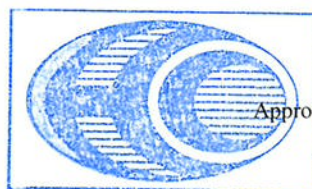
RECEIVED DATE : 19/08/2025 SAMPLING TIME : 07:00-19:00

SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0954 REPORTED DATE : 21/08/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	65.0	83 ^{/1}	dB(A)
L _{max} 12 hr	88.8	115 ^{/3}	dB(A)
12 Hour dose	1.49	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	66.7	85 ^{/1}	dB(A)

REMARK :

- ^{/1} Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)
- ^{/2} Standard of National Institute for Occupational Safety and Health, Occupational Noise Exposure Revised Criteria 1998
- ^{/3} Regulation of The Ministry of Labour B.E. 2559 (2016)
- [#] Based on Criteria 85 dB(A) ; 3 dB Exchange Rate
- * Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009
(Measurement By Ms. Ratmanee Nakket)



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Approved By....

21/08/2025

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Request No. LA68-R0860

Report No. R6808-2796

TEST REPORT

CUSTOMER : GC Polyols Company Limited

ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GCP Plant

SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift A (Morning Shift) (จุดกึ่งกลางค็อกซ์ แพลงก์กั ID 26008282)

MEASURING DATE : 19/08/2025 SAMPLE NO. : 28880

RECEIVED DATE : 19/08/2025 SAMPLING TIME : 07:00-19:00

SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0958 REPORTED DATE : 21/08/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	62.3	83 ^{/1}	dB(A)
L _{max} 12 hr	83.8	115 ^{/3}	dB(A)
12 Hour dose	0.80	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	64.0	85 ^{/1}	dB(A)

REMARK :

^{/1} Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

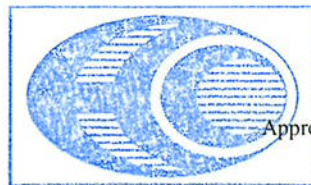
^{/2} Standard of National Institute for Occupational Safety and Health, Occupational Noise Exposure Revised Criteria 1998

^{/3} Regulation of The Ministry of Labour B.E. 2559 (2016)

[#] Based on Criteria 85 dB(A) ; 3 dB Exchange Rate

* Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009

(Measurement By Ms. Ratmanee Nakket)



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Approved By....

21/08/2025

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Request No. LA68-R0872

Report No. R6808-3034

TEST REPORT

CUSTOMER : GC Polyols Company Limited

ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GCP Plant

SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift A (Morning Shift) (คุณณัฐวุฒิ พันธุ์ทอง ID 26008289)

MEASURING DATE : 21/08/2025 SAMPLE NO. : 29119

RECEIVED DATE : 22/08/2025 SAMPLING TIME : 07:00-19:00

SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0954 REPORTED DATE : 25/08/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	77.8	83 ^{/1}	dB(A)
L _{max} 12 hr	98.1	115 ^{/3}	dB(A)
12 Hour dose	28.43	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	79.5	85 ^{/1}	dB(A)

REMARK :

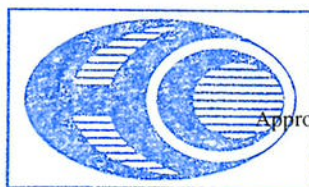
^{/1} Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

^{/2} Standard of National Institute for Occupational Safety and Health, Occupational Noise Exposure Revised Criteria 1998

^{/3} Regulation of The Ministry of Labour B.E. 2559 (2016)

[#] Based on Criteria 85 dB(A) ; 3 dB Exchange Rate

* Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009
(Measurement By Ms. Ratmanee Nakket)



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Approved By....

25/08/2025

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Request No. LA68-R0892

Report No. R6808-3403

TEST REPORT

CUSTOMER : GC Polyols Company Limited

ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GCP Plant

SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift A (Morning Shift) (คุณฐาณกร เสงฆะกุล ID 26008297)

MEASURING DATE : 26/08/2025 SAMPLE NO. : 29491

RECEIVED DATE : 26/08/2025 SAMPLING TIME : 07:00-19:00

SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0644 REPORTED DATE : 01/09/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	79.2	83 ^{/1}	dB(A)
L _{max} 12 hr	104.5	115 ^{/3}	dB(A)
12 Hour dose	39.64	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	81.0	85 ^{/1}	dB(A)

REMARK :

^{/1} Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

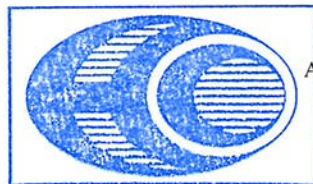
^{/2} Standard of National Institute for Occupational Safety and Health, Occupational Noise Exposure Revised Criteria 1998

^{/3} Regulation of The Ministry of Labour B.E. 2559 (2016)

[#] Based on Criteria 85 dB(A) ; 3 dB Exchange Rate

* Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009

(Measurement By Mr. Supachai Parakan)



Approved By...

(M)

01/09/2025

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Request No. LA68-R0872

Report No. R6808-3035

TEST REPORT

CUSTOMER : GC Polyols Company Limited

ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GCP Plant

SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift B (Morning Shift) (จุดมาโนช ดีพร้อมใจ ID 26008285)

MEASURING DATE : 22/08/2025 SAMPLE NO. : 29120

RECEIVED DATE : 22/08/2025 SAMPLING TIME : 07:00-19:00

SAMPLING INSTRUMENT : Noise dosimeter : S/N CA8886 REPORTED DATE : 25/08/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	80.7	83 ^{/1}	dB(A)
L _{max} 12 hr	102.3	115 ^{/3}	dB(A)
12 Hour dose	56.07	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	82.5	85 ^{/1}	dB(A)

REMARK :

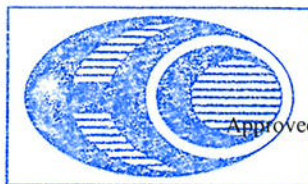
^{/1} Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

^{/2} Standard of National Institute for Occupational Safety and Health, Occupational Noise Exposure Revised Criteria 1998

^{/3} Regulation of The Ministry of Labour B.E. 2559 (2016)

[#] Based on Criteria 85 dB(A) ; 3 dB Exchange Rate

* Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009
(Measurement By Ms. Ratmanee Nakket)



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Request No. LA68-R0872

Report No. R6808-3036

TEST REPORT

CUSTOMER : GC Polyols Company Limited

ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GCP Plant

SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift B (Morning Shift) (คุณจิราพงศ์ บุญน้อย ID 26008280)

MEASURING DATE : 22/08/2025 SAMPLE NO. : 29121

RECEIVED DATE : 22/08/2025 SAMPLING TIME : 07:00-19:00

SAMPLING INSTRUMENT : Noise dosimeter : S/N CA8888 REPORTED DATE : 25/08/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	78.6	83 ^{/1}	dB(A)
L _{max} 12 hr	88.9	115 ^{/3}	dB(A)
12 Hour dose	34.04	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	80.3	85 ^{/1}	dB(A)

REMARK :

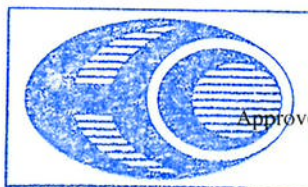
^{/1} Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

^{/2} Standard of National Institute for Occupational Safety and Health, Occupational Noise Exposure Revised Criteria 1998

^{/3} Regulation of The Ministry of Labour B.E. 2559 (2016)

[#] Based on Criteria 85 dB(A) ; 3 dB Exchange Rate

* Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009
(Measurement By Ms. Ratmanee Nakket)



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Approved By.....

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25/08/2025

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Request No. LA68-R0872

Report No. R6808-3037

TEST REPORT

CUSTOMER : GC Polyols Company Limited

ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GCP Plant

SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift B (Morning Shift) (คุณกิจจา อุณหจักร ID 26008283)

MEASURING DATE : 22/08/2025 SAMPLE NO. : 29122

RECEIVED DATE : 22/08/2025 SAMPLING TIME : 07:00-19:00

SAMPLING INSTRUMENT : Noise dosimeter : S/N CA8887 REPORTED DATE : 25/08/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	65.2	83 ^{/1}	dB(A)
L _{max} 12 hr	92.4	115 ^{/3}	dB(A)
12 Hour dose	1.58	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	67.0	85 ^{/1}	dB(A)

REMARK :

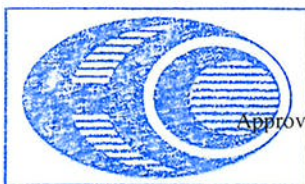
^{/1} Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

^{/2} Standard of National Institute for Occupational Safety and Health, Occupational Noise Exposure Revised Criteria 1998

^{/3} Regulation of The Ministry of Labour B.E. 2559 (2016)

[#] Based on Criteria 85 dB(A) ; 3 dB Exchange Rate

* Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009
(Measurement By Ms. Ratmance Nakket)



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Approved By....

25/08/2025

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Request No. LA68-R1231

Report No. R6812-1575

TEST REPORT

CUSTOMER : GC Polyols Company Limited

ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GCP Plant

SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift B (Morning Shift) (คุณวีรณัย เรียนมัน ID 26008300)

MEASURING DATE : 04/12/2025 SAMPLE NO. : 48246

RECEIVED DATE : 04/12/2025 SAMPLING TIME : 07:00-19:00

SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1500 REPORTED DATE : 09/12/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	78.0	83 ^{/1}	dB(A)
L _{max} 12 hr	95.5	115 ^{/3}	dB(A)
12 Hour dose	29.74	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	79.7	85 ^{/1}	dB(A)

REMARK :

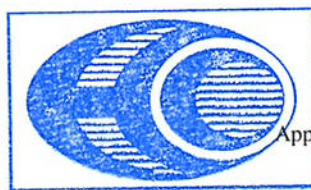
^{/1} Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

^{/2} Standard of National Institute for Occupational Safety and Health, Occupational Noise Exposure Revised Criteria 1998

^{/3} Regulation of The Ministry of Labour B.E. 2559 (2016)

[#] Based on Criteria 85 dB(A) ; 3 dB Exchange Rate

* Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009
(Measurement By Mr. Supachai Parakan)



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09/12/2025

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Request No. LA68-R0860

Report No. R6808-2797

TEST REPORT

CUSTOMER : GC Polyols Company Limited

ADDRESS : 9 Soi G-14, Pakom Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GCP Plant

SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift C (Morning Shift) (คุณเมธากุล ไชยพันธ์ ID 26008286)

MEASURING DATE : 19/08/2025 SAMPLE NO. : 28881

RECEIVED DATE : 19/08/2025 SAMPLING TIME : 07:00-19:00

SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0955 REPORTED DATE : 21/08/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	65.5	83 ^{/1}	dB(A)
L _{max} 12 hr	86.9	115 ^{/3}	dB(A)
12 Hour dose	1.67	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	67.2	85 ^{/1}	dB(A)

REMARK :

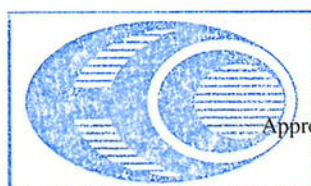
^{/1} Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

^{/2} Standard of National Institute for Occupational Safety and Health, Occupational Noise Exposure Revised Criteria 1998

^{/3} Regulation of The Ministry of Labour B.E. 2559 (2016)

[#] Based on Criteria 85 dB(A) ; 3 dB Exchange Rate

* Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009
(Measurement By Ms. Ratmanee Nakket)



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Approved By.....

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21/08/2025

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Request No. LA68-R0892

Report No. R6808-3405

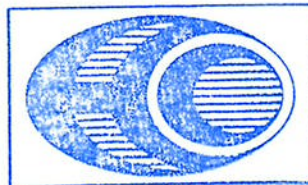
TEST REPORT

CUSTOMER : GC Polyols Company Limited
 ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150
 SAMPLE SOURCE : GCP Plant
 SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift C (Morning Shift) (จุดอ่านนท โลมส์อ้างอิง ID 26008276)
 MEASURING DATE : 26/08/2025 SAMPLE NO. : 29493
 RECEIVED DATE : 26/08/2025 SAMPLING TIME : 07:00-19:00
 SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0640 REPORTED DATE : 01/09/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	64.1	83 ^{/1}	dB(A)
L _{max} 12 hr	88.8	115 ^{/3}	dB(A)
12 Hour dose	1.21	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	65.8	85 ^{/1}	dB(A)

REMARK :

- ^{/1} Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)
- ^{/2} Standard of National Institute for Occupational Safety and Health, Occupational Noise Exposure Revised Criteria 1998
- ^{/3} Regulation of The Ministry of Labour B.E. 2559 (2016)
- [#] Based on Criteria 85 dB(A) ; 3 dB Exchange Rate
- * Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009
(Measurement By Mr. Supachai Parakan)



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Approved By

01/09/2025

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Request No. LA68-R0892

Report No. R6808-3407

TEST REPORT

CUSTOMER : GC Polyols Company Limited

ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GCP Plant

SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift C (Morning Shift) (คุณชนภัทร ประยูรเพชร ID 26008301)

MEASURING DATE : 26/08/2025 SAMPLE NO. : 29495

RECEIVED DATE : 26/08/2025 SAMPLING TIME : 07:00-19:00

SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0954 REPORTED DATE : 01/09/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	64.9	83 ^{/1}	dB(A)
L _{max} 12 hr	82.8	115 ^{/3}	dB(A)
12 Hour dose	1.47	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	66.7	85 ^{/1}	dB(A)

REMARK :

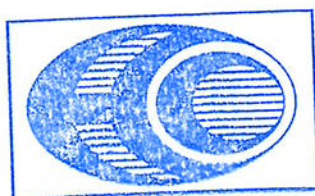
^{/1} Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

^{/2} Standard of National Institute for Occupational Safety and Health, Occupational Noise Exposure Revised Criteria 1998

^{/3} Regulation of The Ministry of Labour B.E. 2559 (2016)

[#] Based on Criteria 85 dB(A) ; 3 dB Exchange Rate

* Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009
(Measurement By Mr. Supachai Parakan)



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Approved By.

01/09/2025

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Request No. LA68-R1257

Report No. R6812-2956

TEST REPORT

CUSTOMER : GC Polyols Company Limited

ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GCP Plant

SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift C (Morning Shift) (จุดประวัณน์ มุ่งตุลารักษ์ ID 26008293)

MEASURING DATE : 16/12/2025 SAMPLE NO. : 49642

RECEIVED DATE : 16/12/2025 SAMPLING TIME : 07:00-19:00

SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1497 REPORTED DATE : 19/12/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	76.1	83 ^{/1}	dB(A)
L _{max} 12 hr	89.4	115 ^{/3}	dB(A)
12 Hour dose	19.21	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	77.8	85 ^{/1}	dB(A)

REMARK :

^{/1} Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

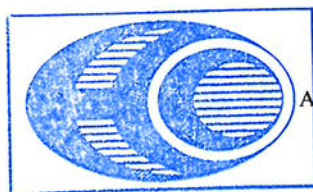
^{/2} Standard of National Institute for Occupational Safety and Health, Occupational Noise Exposure Revised Criteria 1998

^{/3} Regulation of The Ministry of Labour B.E. 2559 (2016)

[#] Based on Criteria 85 dB(A) ; 3 dB Exchange Rate

* Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009

(Measurement By Ms. Ratmanee Nakket)



Approved By

19/12/2025

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Request No. LA68-R1257

Report No. R6812-2957

TEST REPORT

CUSTOMER : GC Polyols Company Limited

ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GCP Plant

SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift C (Morning Shift) (คุณสมบัติ กัตัญญ ID 26008291)

MEASURING DATE : 16/12/2025 SAMPLE NO. : 49643

RECEIVED DATE : 16/12/2025 SAMPLING TIME : 07:00-19:00

SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1365 REPORTED DATE : 19/12/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	76.5	83 ^{/1}	dB(A)
L _{max} 12 hr	93.2	115 ^{/3}	dB(A)
12 Hour dose	21.35	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	78.3	85 ^{/1}	dB(A)

REMARK :

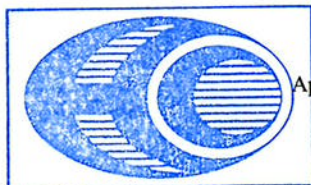
^{/1} Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

^{/2} Standard of National Institute for Occupational Safety and Health, Occupational Noise Exposure Revised Criteria 1998

^{/3} Regulation of The Ministry of Labour B.E. 2559 (2016)

[#] Based on Criteria 85 dB(A) ; 3 dB Exchange Rate

* Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009
(Measurement By Ms. Ratmanee Nakket)



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19/12/2025

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Request No. LA68-R0872

Report No. R6808-3033

TEST REPORT

CUSTOMER : GC Polyols Company Limited

ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GCP Plant

SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift D (Morning Shift) (จุดวัดศักดิ์ คงสืบเสาะ ID 26008303)

MEASURING DATE : 21/08/2025 SAMPLE NO. : 29118

RECEIVED DATE : 22/08/2025 SAMPLING TIME : 07:00-19:00

SAMPLING INSTRUMENT : Noise dosimeter : S/N CB0955 REPORTED DATE : 25/08/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	74.9	83 ^{/1}	dB(A)
L _{max} 12 hr	90.0	115 ^{/3}	dB(A)
12 Hour dose	14.75	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	76.7	85 ^{/1}	dB(A)

REMARK :

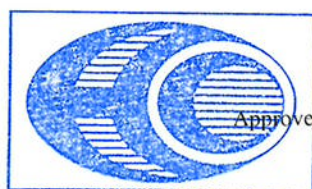
^{/1} Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

^{/2} Standard of National Institute for Occupational Safety and Health, Occupational Noise Exposure Revised Criteria 1998

^{/3} Regulation of The Ministry of Labour B.E. 2559 (2016)

[#] Based on Criteria 85 dB(A) ; 3 dB Exchange Rate

* Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009
(Measurement By Ms. Ratmanee Nakket)



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25/08/2025

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Request No. LA68-R1219

Report No. R6812-1310

TEST REPORT

CUSTOMER : GC Polyols Company Limited

ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GCP Plant

SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift D (Morning Shift) (คุณสมบัติ สราญรัมย์ ID 26008292)

MEASURING DATE : 02/12/2025 SAMPLE NO. : 47972

RECEIVED DATE : 02/12/2025 SAMPLING TIME : 07:00-19:00

SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1365 REPORTED DATE : 09/12/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	55.9	83 ^{/1}	dB(A)
L _{max} 12 hr	79.9	115 ^{/3}	dB(A)
12 Hour dose	0.19	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	57.7	85 ^{/1}	dB(A)

REMARK :

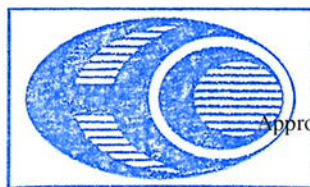
^{/1} Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

^{/2} Standard of National Institute for Occupational Safety and Health, Occupational Noise Exposure Revised Criteria 1998

^{/3} Regulation of The Ministry of Labour B.E. 2559 (2016)

[#] Based on Criteria 85 dB(A) ; 3 dB Exchange Rate

* Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009
(Measurement By Mr. Supachai Parakan)



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Approved By

09/12/2025

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Request No. LA68-R1218

Report No. R6812-1308

TEST REPORT

CUSTOMER : GC Polyols Company Limited

ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GCP Plant

SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift D (Morning Shift) (คุณรัฐศาสตร์ ผลกลาง ID 26008294)

MEASURING DATE : 02/12/2025 SAMPLE NO. : 47970

RECEIVED DATE : 02/12/2025 SAMPLING TIME : 07:00-19:00

SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1497 REPORTED DATE : 09/12/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	76.8	83 ^{/1}	dB(A)
L _{max} 12 hr	90.4	115 ^{/3}	dB(A)
12 Hour dose	22.79	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	78.6	85 ^{/1}	dB(A)

REMARK :

^{/1} Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

^{/2} Standard of National Institute for Occupational Safety and Health, Occupational Noise Exposure Revised Criteria 1998

^{/3} Regulation of The Ministry of Labour B.E. 2559 (2016)

[#] Based on Criteria 85 dB(A) ; 3 dB Exchange Rate

* Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009
(Measurement By Mr. Supachai Parakan)



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Request No. LA68-R1218

Report No. R6812-1309

TEST REPORT

CUSTOMER : GC Polyols Company Limited

ADDRESS : 9 Soi G-14, Pakorn Songkrohraj Road, Map Ta Phut Sub-district, Mueang Rayong District, Rayong 21150

SAMPLE SOURCE : GCP Plant

SAMPLE POINT : บริเวณพื้นที่กระบวนการผลิต Shift D (Morning Shift) (คุณวีรภัทร วาริช ID 26008304)

MEASURING DATE : 02/12/2025 SAMPLE NO. : 47971

RECEIVED DATE : 02/12/2025 SAMPLING TIME : 07:00-19:00

SAMPLING INSTRUMENT : Noise dosimeter : S/N CB1498 REPORTED DATE : 09/12/2025

PARAMETER*	RESULT	STANDARD	UNIT
Time weighted average level (12-hr TWA) [#]	82.5	83 ^{/1}	dB(A)
L _{max} 12 hr	92.1	115 ^{/3}	dB(A)
12 Hour dose	84.53	100 ^{/2}	%
Time weighted average level (8-hr TWA) [#]	84.3	85 ^{/1}	dB(A)

REMARK :

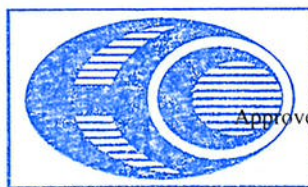
^{/1} Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

^{/2} Standard of National Institute for Occupational Safety and Health, Occupational Noise Exposure Revised Criteria 1998

^{/3} Regulation of The Ministry of Labour B.E. 2559 (2016)

[#] Based on Criteria 85 dB(A) ; 3 dB Exchange Rate

* Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009
(Measurement By Mr. Supachai Parakan)



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09/12/2025

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