

Request No. LA62-R0819

Report No. R6208-0851

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakornsongkrohrad Rd., T. Maptaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : บริเวณพื้นที่ ERU SAMPLE NO. : 15158
MEASURING DATE : 09/08/2019 RECEIVED DATE : 10/08/2019
SAMPLING INSTRUMENT : Heat Stress ; REPORTED DATE : 16/08/2019
Wet Bulb Globe Temperature (WBGT) : Serial No. TPQ030024

PARAMETER*	SAMPLING TIME	RESULT				UNIT
		NWB	GT	DB	WBGT	
Heat Stress	09:30-10:00	27.8	36.3	32.2	29.9	°C
	10:00-10:30	27.4	35.2	32.3	29.5	°C
	10:30-11:00	27.7	35.3	32.0	29.7	°C
	11:00-11:30	27.2	35.4	31.6	29.3	°C
WBGT AVERAGE	09:30-11:30	-	-	-	29.6	°C
STD		-	-	-	34.0 ^{1/1,2}	°C

REMARK:

WORK LOAD IS LIGHT, OUTDOOR

¹ REGULATION OF THE MINISTRY OF LABOUR B.E. 2559 (2016)² NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2546 (2003)

NWB = Natural Wet - Bulb Temperature

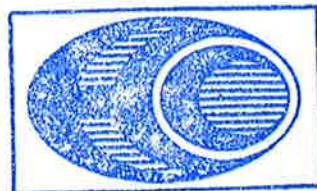
GT = Globe Temperature

DB = Dry - Bulb Temperature

WBGT = Wet - Bulb Globe Temperature

* Parameter Outside The Scope of the Registration of The Department of Industrial Works

(Measurement By Mrs. Wanpen Lhaochindawat)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

16/08/2019

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

Request No. LA62-R1159

Report No. R6211-2262

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakornsongkrohrad Rd., T. Maptaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : บริเวณพื้นที่ ERU SAMPLE NO. : 22310
MEASURING DATE : 25/11/2019 RECEIVED DATE : 26/11/2019
SAMPLING INSTRUMENT : Heat Stress ; REPORTED DATE : 26/11/2019
Wet Bulb Globe Temperature (WBGT) : Serial No. TPL090016

PARAMETER*	SAMPLING TIME	RESULT				UNIT
		NWB	GT	DB	WBGT	
Heat Stress	09:30-10:00	27.2	45.5	41.0	32.2	°C
	10:00-10:30	27.4	45.9	41.1	32.5	°C
	10:30-11:00	27.5	42.5	39.6	31.7	°C
	11:00-11:30	27.4	46.0	41.4	32.5	°C
WBGT AVERAGE	09:30-11:30	-	-	-	32.2	°C
STD		-	-	-	34.0 ^{1/2}	°C

REMARK:

WORK LOAD IS LIGHT, OUTDOOR

^{/1} REGULATION OF THE MINISTRY OF LABOUR B.E. 2559 (2016)^{/2} NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2546 (2003)

NWB = Natural Wet - Bulb Temperature

GT = Globe Temperature

DB = Dry - Bulb Temperature

WBGT = Wet - Bulb Globe Temperature

* Parameter Outside The Scope of the Registration of The Department of Industrial Works

(Measurement By Mrs. Wanpen Lhaochindawat)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

26/11/2019

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA62-R0819

Report No. R6208-0852

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
 ADDRESS : 20/9 Pakornsongkrohrad Rd., T. Maptaphut A. Muangrayong, Rayong 21150
 SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
 SAMPLE POINT : บริเวณพื้นที่ WWI SAMPLE NO. : 15159
 MEASURING DATE : 09/08/2019 RECEIVED DATE : 10/08/2019
 SAMPLING INSTRUMENT : Heat Stress ; REPORTED DATE : 16/08/2019
 Wet Bulb Globe Temperature (WBGT) : Serial No. TPL090017

PARAMETER*	SAMPLING TIME	RESULT				UNIT
		NWB	GT	DB	WBGT	
Heat Stress	09:30-10:00	28.3	33.9	31.6	30.0	°C
	10:00-10:30	27.8	32.7	30.9	29.3	°C
	10:30-11:00	28.4	32.8	30.9	29.7	°C
	11:00-11:30	28.1	32.7	30.8	29.5	°C
WBGT AVERAGE	09:30-11:30	-	-	-	29.6	°C
STD		-	-	-	34.0 ^{1/2}	°C

REMARK:

WORK LOAD IS LIGHT, INDOOR

^{1/} REGULATION OF THE MINISTRY OF LABOUR B.E. 2559 (2016)^{2/} NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2546 (2003)

NWB = Natural Wet - Bulb Temperature

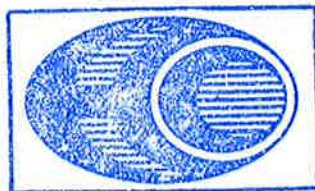
GT = Globe Temperature

DB = Dry - Bulb Temperature

WBGT = Wet - Bulb Globe Temperature

* Parameter Outside The Scope of the Registration of The Department of Industrial Works

(Measurement By Mrs. Wanpen Lhaochindawat)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

16/08/2019

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA62-R1159

Report No. R6211-2263

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakomsongkrohrad Rd., T. Maptaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : บริเวณพื้นที่ WWI SAMPLE NO. : 22311
MEASURING DATE : 25/11/2019 RECEIVED DATE : 26/11/2019
SAMPLING INSTRUMENT : Heat Stress ; REPORTED DATE : 26/11/2019
Wet Bulb Globe Temperature (WBGT) : Serial No. TPI050070

PARAMETER*	SAMPLING TIME	RESULT				UNIT
		NWB	GT	DB	WBGT	
Heat Stress	09:30-10:00	27.6	42.5	42.3	32.1	°C
	10:00-10:30	27.2	42.3	40.2	31.7	°C
	10:30-11:00	26.3	40.0	39.3	30.4	°C
	11:00-11:30	26.3	41.8	40.2	31.0	°C
WBGT AVERAGE	09:30-11:30	-	-	-	31.3	°C
STD		-	-	-	34.0 ^{1/2}	°C

REMARK:

WORK LOAD IS LIGHT, INDOOR

^{/1} REGULATION OF THE MINISTRY OF LABOUR B.E. 2559 (2016)^{/2} NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2546 (2003)

NWB = Natural Wet - Bulb Temperature

GT = Globe Temperature

DB = Dry - Bulb Temperature

WBGT = Wet - Bulb Globe Temperature

* Parameter Outside The Scope of the Registration of The Department of Industrial Works
(Measurement By Mrs. Wanpen Lhaochindawat)

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

26/11/2019

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA62-R0819

Report No. R6208-0853

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
 ADDRESS : 20/9 Pakornsongkrohrad Rd., T. Maptaphut A. Muangrayong, Rayong 21150
 SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
 SAMPLE POINT : บริเวณพื้นที่ SAR SAMPLE NO. : 15160
 MEASURING DATE : 09/08/2019 RECEIVED DATE : 10/08/2019
 SAMPLING INSTRUMENT : Heat Stress ; REPORTED DATE : 16/08/2019
 Wet Bulb Globe Temperature (WBGT) : Serial No. TPL060039

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	09:00-09:30	27.4	34.1	32.8	29.4	°C
	09:30-10:00	27.8	35.2	33.8	30.0	°C
	10:00-10:30	27.7	35.4	33.8	30.0	°C
	10:30-11:00	27.5	35.2	33.9	29.8	°C
WBGT AVERAGE	09:00-11:00	-	-	-	29.8	°C
STD		-	-	-	34.0 ^{1/1,2}	°C

REMARK:

WORK LOAD IS LIGHT, INDOOR

¹ REGULATION OF THE MINISTRY OF LABOUR B.E. 2559 (2016)² NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2546 (2003)

NWB = Natural Wet - Bulb Temperature

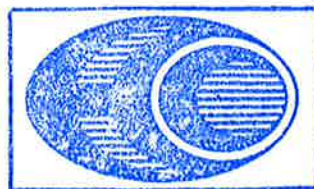
GT = Globe Temperature

DB = Dry - Bulb Temperature

WBGT = Wet - Bulb Globe Temperature

* Parameter Outside The Scope of the Registration of The Department of Industrial Works

(Measurement By Mrs. Wanpen Lhaochindawat)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

16/08/2019

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

Request No. LA62-R1159

Report No. R6211-2261

TEST REPORT

CUSTOMER : NPC Safety and Environmental Service Co., Ltd.
ADDRESS : 20/9 Pakornsongkrohrad Rd., T. Maptaphut A. Muangrayong, Rayong 21150
SAMPLE SOURCE : PTT Asahi Chemical Co., Ltd.
SAMPLE POINT : บริเวณพื้นที่ SAR SAMPLE NO. : 22309
MEASURING DATE : 25/11/2019 RECEIVED DATE : 26/11/2019
SAMPLING INSTRUMENT : Heat Stress ; REPORTED DATE : 26/11/2019
Wet Bulb Globe Temperature (WBGT) : Serial No. TPI050069

PARAMETER*	SAMPLING TIME	RESULT				UNIT
		NWB	GT	DB	WBGT	
Heat Stress	09:30-10:00	25.5	36.0	34.0	28.7	°C
	10:00-10:30	25.7	36.3	34.1	28.9	°C
	10:30-11:00	25.3	36.2	34.4	28.6	°C
	11:00-11:30	25.8	37.4	35.4	29.3	°C
WBGT AVERAGE	09:30-11:30	-	-	-	28.8	°C
STD		-	-	-	34.0 ^{1,2}	°C

REMARK:

WORK LOAD IS LIGHT, INDOOR

¹ REGULATION OF THE MINISTRY OF LABOUR B.E. 2559 (2016)² NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2546 (2003)

NWB = Natural Wet - Bulb Temperature

GT = Globe Temperature

DB = Dry - Bulb Temperature

WBGT = Wet - Bulb Globe Temperature

* Parameter Outside The Scope of the Registration of The Department of Industrial Works
(Measurement By Mrs. Wanpen Lhaochindawat)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

26/11/2019

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY