

ระดับความร้อน



Request No. LA67-R0122

Report No. R6701-0552

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. : 00555
MEASURING DATE : 15/01/2024 RECEIVED DATE : 15/01/2024
SAMPLING INSTRUMENT : Heat Stress ; REPORTED DATE : 16/01/2024

Wet Bulb Globe Temperature (WBGT) : Serial No. TEU080015

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	09:00-09:30	27.8	40.1	36.8	31.2	°C
	09:30-10:00	28.2	41.3	37.4	31.7	°C
	10:00-10:30	28.6	42.3	38.2	32.3	°C
	10:30-11:00	27.1	41.6	37.7	31.1	°C
	WBGT AVERAGE	-	-	-	31.6	°C
STANDARD		-	-	-	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 have License Registration of Department of Labour Protection and Welfare No. 0401-03-2564-0009

(Measurement By Ms. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

16/01/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY



Request No. LA67-R0508

Report No. R6705-0125

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. : 10819
MEASURING DATE : 26/04/2024 RECEIVED DATE : 26/04/2024
SAMPLING INSTRUMENT : Heat Stress ; REPORTED DATE : 06/05/2024

Wet Bulb Globe Temperature (WBGT) : Serial No. TEU080015

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	10:00-10:30	29.3	40.3	34.4	32.0	°C
	10:30-11:00	29.5	44.3	35.7	33.1	°C
	11:00-11:30	29.9	42.4	34.7	32.9	°C
	11:30-12:00	29.3	40.2	35.5	32.1	°C
WBGT AVERAGE	10:00-12:00	-	-	-	32.5	°C
STANDARD		-	-	-	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 have License Registration of Department of Labour Protection and Welfare No. 0401-03-2564-0009

(Measurement By Ms. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

06/05/2024

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY



Request No. LA67-R0122

Report No. R6701-0554

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. : 00557
MEASURING DATE : 15/01/2024 RECEIVED DATE : 15/01/2024
SAMPLING INSTRUMENT : Heat Stress ; REPORTED DATE : 16/01/2024

Wet Bulb Globe Temperature (WBGT) : Serial No. TEU080014

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	09:30-10:00	26.5	38.3	35.7	30.0	°C
	10:00-10:30	28.4	40.3	40.1	32.0	°C
	10:30-11:00	28.0	39.3	36.7	31.4	°C
	11:00-11:30	27.5	38.3	35.1	30.7	°C
WBGT AVERAGE	09:30-11:30	-	-	-	31.0	°C
STANDARD		-	-	-	34.0 ^{1/2}	°C

REMARK :

- Work Load is Light, Indoor
^{1/1} Regulation of The Ministry of Labour B.E. 2559 (2016)
^{1/2} 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 have License Registration of Department of Labour Protection and Welfare No. 0401-03-2564-0009
 (Measurement By Ms. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

16/01/2024

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



Request No. LA67-R0508

Report No. R6705-0126

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. : 10820
MEASURING DATE : 26/04/2024 RECEIVED DATE : 26/04/2024
SAMPLING INSTRUMENT : Heat Stress ; REPORTED DATE : 06/05/2024

Wet Bulb Globe Temperature (WBGT) : Serial No. TEU080013

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	10:00-10:30	27.1	35.8	32.0	29.7	°C
	10:30-11:00	27.0	35.5	31.8	29.6	°C
	11:00-11:30	27.5	35.2	32.0	29.8	°C
	11:30-12:00	27.6	35.4	32.1	29.9	°C
WBGT AVERAGE	10:00-12:00	-	-	-	29.8	°C
STANDARD		-	-	-	34.0 ^{1/2}	°C

REMARK :

- Work Load is Light, Indoor
^{1/1} Regulation of The Ministry of Labour B.E. 2559 (2016)
^{1/2} 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 have License Registration of Department of Labour Protection and Welfare No. 0401-03-2564-0009
 (Measurement By Ms. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

06/05/2024

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



Request No. LA67-R0122

Report No. R6701-0553

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. : 00556
MEASURING DATE : 15/01/2024 RECEIVED DATE : 15/01/2024
SAMPLING INSTRUMENT : Heat Stress ; REPORTED DATE : 16/01/2024

Wet Bulb Globe Temperature (WBGT) : Serial No. TEU080012

PARAMETER*	SAMPLING TIME	RESULT				UNIT
		NWB	GT	DB	WBGT	
Heat Stress	09:00-09:30	26.8	32.2	29.7	28.4	°C
	09:30-10:00	27.4	33.3	30.6	29.2	°C
	10:00-10:30	28.0	34.2	30.8	29.9	°C
	10:30-11:00	28.6	36.3	32.7	30.9	°C
	WBGT AVERAGE	-	-	-	29.6	°C
STANDARD		-	-	-	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 have License Registration of Department of Labour Protection and Welfare No. 0401-03-2564-0009

(Measurement By Ms. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By...

(MRS. WANPEN LHAOCHINDAWAT)

16/01/2024

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



Request No. LA67-R0508

Report No. R6705-0127

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. : 10821
MEASURING DATE : 26/04/2024 RECEIVED DATE : 26/04/2024
SAMPLING INSTRUMENT : Heat Stress ; REPORTED DATE : 06/05/2024

Wet Bulb Globe Temperature (WBGT) : Serial No. TEU080014

PARAMETER*	SAMPLING TIME	RESULT				UNIT
		NWB	GT	DB	WBGT	
Heat Stress	08:40-09:10	29.1	40.2	36.8	32.4	°C
	09:10-09:40	29.2	40.9	36.6	32.7	°C
	09:40-10:10	29.0	41.2	36.8	32.7	°C
	10:10-10:40	29.9	41.7	37.0	33.4	°C
WBGT AVERAGE	08:40-10:40	-	-	-	32.8	°C
STANDARD		-	-	-	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 have License Registration of Department of Labour Protection and Welfare No. 0401-03-2564-0009

(Measurement By Ms. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By...

(MRS. WANPEN LHAOCHINDAWAT)

06/05/2024

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