

ระดับความร้อน



Request No. LA66-R0234

Report No. R6602-0621

## 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  
MEASURING DATE : 22/02/2023  
SAMPLING INSTRUMENT : Heat Stress ;  
SAMPLE NO. : 01844  
RECEIVED DATE : 22/02/2023  
REPORTED DATE : 24/02/2023

Wet Bulb Globe Temperature (WBGT) : Serial No. TEU080011

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	09:30-10:00	27.5	39.2	35.7	30.7	°C
	10:00-10:30	26.1	41.2	36.3	30.1	°C
	10:30-11:00	26.2	42.5	37.2	30.6	°C
	11:00-11:30	26.2	42.8	37.1	30.6	°C
WBGT AVERAGE	09:30-11:30	-	-	-	30.5	°C
STANDARD		-	-	-	34.0 <sup>1/2</sup>	°C

## REMARK :

Work Load is Light, Outdoor

<sup>1/1</sup> Regulation of The Ministry of Labour B.E. 2559 (2016)<sup>1/2</sup> 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)



Approved By

(MRS. WANPEN LHAOCHINDAWAT)

24/02/2023

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. LA66-R0547

Report No. R6605-1828

## 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  
MEASURING DATE : 12/05/2023  
SAMPLING INSTRUMENT : Heat Stress ;  
SAMPLE NO. : 09005  
RECEIVED DATE : 12/05/2023  
REPORTED DATE : 16/05/2023

Wet Bulb Globe Temperature (WBGT) : Serial No. TEU080011

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	14:00-14:30	29.6	38.9	33.1	31.8	°C
	14:30-15:00	28.6	38.1	33.4	31.0	°C
	15:00-15:30	27.6	35.7	31.8	29.6	°C
	15:30-16:00	27.2	34.8	31.5	29.2	°C
WBGT AVERAGE	14:00-16:00	-	-	-	30.4	°C
STANDARD		-	-	-	34.0 <sup>1/2</sup>	°C

## REMARK :

Work Load is Light, Outdoor

<sup>1/1</sup> Regulation of The Ministry of Labour B.E. 2559 (2016)<sup>1/2</sup> Notification of The Ministry of Industry B.E. 2546 (2003)

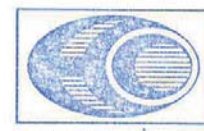
NWB = Natural Wet - Bulb Temperature

GT = Globe Temperature

DB = Dry - Bulb Temperature

WBGT = Wet - Bulb Globe Temperature

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(Measurement By Ms. Jutarat Suksaget)



Approved By

(MRS. WANPEN LHAOCHINDAWAT)

16/05/2023

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Request No. LA66-R0234

Report No. R6602-0622

## 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. : 01845

MEASURING DATE : 22/02/2023

RECEIVED DATE : 22/02/2023

SAMPLING INSTRUMENT : Heat Stress ;

REPORTED DATE : 24/02/2023

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

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	09:30-10:00	24.9	38.6	35.6	29.0	°C
	10:00-10:30	24.5	37.7	35.3	28.5	°C
	10:30-11:00	24.0	36.8	34.4	27.8	°C
	11:00-11:30	24.2	36.5	34.1	27.9	°C
WBGT AVERAGE	09:30-11:30	-	-	-	28.3	°C
STANDARD		-	-	-	34.0 <sup>1/2</sup>	°C

REMARK : Work Load is Light, Indoor

<sup>1/1</sup> Regulation of The Ministry of Labour B.E. 2559 (2016)<sup>1/2</sup> 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)

Approved By...

(MRS. WANPEN LHAOCHINDAWAT)

24/02/2023

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Request No. LA66-R0547

Report No. R6605-1830

## 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. : 09007

MEASURING DATE : 12/05/2023

RECEIVED DATE : 12/05/2023

SAMPLING INSTRUMENT : Heat Stress ;

REPORTED DATE : 16/05/2023

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

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	14:00-14:30	27.3	34.3	30.4	29.4	°C
	14:30-15:00	27.0	33.8	30.5	29.0	°C
	15:00-15:30	27.2	33.9	31.1	29.2	°C
	15:30-16:00	26.9	33.7	30.8	28.9	°C
WBGT AVERAGE	14:00-16:00	-	-	-	29.1	°C
STANDARD		-	-	-	34.0 <sup>1/2</sup>	°C

REMARK : Work Load is Light, Indoor

<sup>1/1</sup> Regulation of The Ministry of Labour B.E. 2559 (2016)<sup>1/2</sup> 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)

Approved By...

(MRS. WANPEN LHAOCHINDAWAT)

16/05/2023

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Request No. LA66-R0234

Report No. R6602-0623

### 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 SAR SAMPLE NO. : 01846  
MEASURING DATE : 22/02/2023 RECEIVED DATE : 22/02/2023  
SAMPLING INSTRUMENT : Heat Stress ; REPORTED DATE : 24/02/2023

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

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	09:30-10:00	24.9	32.5	30.5	27.2	°C
	10:00-10:30	24.4	34.7	30.7	27.5	°C
	10:30-11:00	24.2	35.2	31.0	27.5	°C
	11:00-11:30	23.8	35.5	31.5	27.3	°C
WBGT AVERAGE	09:30-11:30	-	-	-	27.4	°C
STANDARD		-	-	-	34.0 <sup>1/2</sup>	°C

#### REMARK :

Work Load is Light, Indoor

<sup>1/1</sup> Regulation of The Ministry of Labour B.E. 2559 (2016)

<sup>1/2</sup> 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)



Approved By..

(MRS. WANPEN LHAOCHINDAWAT)

24/02/2023

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Request No. LA66-R0547

Report No. R6605-1829

### 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 SAR SAMPLE NO. : 09006  
MEASURING DATE : 12/05/2023 RECEIVED DATE : 12/05/2023  
SAMPLING INSTRUMENT : Heat Stress ; REPORTED DATE : 16/05/2023

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

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	14:00-14:30	30.2	45.5	37.0	34.8	°C
	14:30-15:00	29.0	38.4	34.8	31.8	°C
	15:00-15:30	28.8	38.2	34.4	31.6	°C
	15:30-16:00	29.5	42.1	36.0	33.3	°C
WBGT AVERAGE	14:00-16:00	-	-	-	32.9	°C
STANDARD		-	-	-	34.0 <sup>1/2</sup>	°C

#### REMARK :

Work Load is Light, Indoor

<sup>1/1</sup> Regulation of The Ministry of Labour B.E. 2559 (2016)

<sup>1/2</sup> 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)



Approved By..

(MRS. WANPEN LHAOCHINDAWAT)

16/05/2023

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