

ระดับความร้อน



Request No. LA65-R0873

Report No. R6508-2945

## 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. : 23549

MEASURING DATE : 29/08/2022

RECEIVED DATE : 29/08/2022

SAMPLING INSTRUMENT : Heat Stress ;

REPORTED DATE : 03/09/2022

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

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	09:40-10:10	26.4	34.7	30.3	28.5	°C
	10:10-10:40	26.2	34.5	30.2	28.3	°C
	10:40-11:10	25.6	34.1	29.9	27.7	°C
	11:10-11:40	25.8	34.2	30.4	27.9	°C
WBGT AVERAGE	09:40-11:40	-	-	-	28.1	°C
STANDARD		-	-	-	34.0 <sup>/1,2</sup>	°C

REMARK : Work Load is Light, Outdoor

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By...

(MRS. WANPEN LHAOCHINDAWAT)

03/09/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY



Request No. LA65-R1196

Report No. R6511-3615

## 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. : 34843

MEASURING DATE : 28/11/2022

RECEIVED DATE : 28/11/2022

SAMPLING INSTRUMENT : Heat Stress ;

REPORTED DATE : 03/12/2022

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

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	09:30-10:00	26.3	36.6	31.4	28.9	°C
	10:00-10:30	26.4	36.2	31.4	28.9	°C
	10:30-11:00	26.2	33.5	30.2	28.1	°C
	11:00-11:30	25.3	32.3	29.6	27.1	°C
WBGT AVERAGE	09:30-11:30	-	-	-	28.2	°C
STANDARD		-	-	-	34.0 <sup>/1,2</sup>	°C

REMARK : Work Load is Light, Outdoor

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



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Approved By...

(MRS. WANPEN LHAOCHINDAWAT)

03/12/2022

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ACCREDITED LABORATORY  
ISO/IEC 17025

Request No. LA65-R0873

Report No. R6508-2946

## 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 WW1

SAMPLE NO. : 23550

MEASURING DATE : 29/08/2022

RECEIVED DATE : 29/08/2022

SAMPLING INSTRUMENT : Heat Stress ;

REPORTED DATE : 03/09/2022

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

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	09:45-10:15	27.3	37.4	33.2	30.3	°C
	10:15-10:45	26.8	36.9	32.1	29.8	°C
	10:45-11:15	27.0	36.4	32.0	29.8	°C
	11:15-11:45	26.4	34.3	30.7	28.8	°C
WBGT AVERAGE	09:45-11:45	-	-	-	29.7	°C
STANDARD		-	-	-	34.0 <sup>1/2</sup>	°C

REMARK : Work Load is Light, Indoor

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By...

(MRS. WANPEN LHAOCHINDAWAT)

03/09/2022

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ISO/IEC 17025

Request No. LA65-R1196

Report No. R6511-3617

## 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 WW1

SAMPLE NO. : 34845

MEASURING DATE : 28/11/2022

RECEIVED DATE : 28/11/2022

SAMPLING INSTRUMENT : Heat Stress ;

REPORTED DATE : 03/12/2022

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

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	09:30-10:00	26.4	36.5	31.4	29.4	°C
	10:00-10:30	26.2	33.5	30.2	28.4	°C
	10:30-11:00	25.3	32.3	29.7	27.4	°C
	11:00-11:30	26.3	35.6	30.4	29.1	°C
WBGT AVERAGE	09:30-11:30	-	-	-	28.6	°C
STANDARD		-	-	-	34.0 <sup>1/2</sup>	°C

REMARK : Work Load is Light, Indoor

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By...

(MRS. WANPEN LHAOCHINDAWAT)

03/12/2022

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ISO/IEC 17025

Request No. LA65-R0873

Report No. R6508-2944

## 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. : 23548

MEASURING DATE : 29/08/2022

RECEIVED DATE : 29/08/2022

SAMPLING INSTRUMENT : Heat Stress ;

REPORTED DATE : 03/09/2022

Wet Bulb Globe Temperature (WBGT) : Serial No. TPL060039

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	09:20-09:50	26.4	32.8	29.8	28.3	°C
	09:50-10:20	26.9	36.2	31.1	29.7	°C
	10:20-10:50	27.0	37.1	31.9	30.0	°C
	10:50-11:20	27.1	36.6	32.5	30.0	°C
WBGT AVERAGE	09:20-11:20	-	-	-	29.5	°C
STANDARD		-	-	-	34.0 <sup>/1,2</sup>	°C

REMARK : Work Load is Light, Indoor

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



Approved By.

(MRS. WANPEN LHAOCHINDAWAT)

03/09/2022

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ISO/IEC 17025

Request No. LA65-R1196

Report No. R6511-3616

## 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. : 34844

MEASURING DATE : 28/11/2022

RECEIVED DATE : 28/11/2022

SAMPLING INSTRUMENT : Heat Stress ;

REPORTED DATE : 03/12/2022

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

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	09:30-10:00	26.3	36.6	31.4	29.4	°C
	10:00-10:30	26.4	36.5	31.4	29.4	°C
	10:30-11:00	26.2	33.4	30.2	28.4	°C
	11:00-11:30	25.3	32.3	29.6	27.4	°C
WBGT AVERAGE	09:30-11:30	-	-	-	28.6	°C
STANDARD		-	-	-	34.0 <sup>/1,2</sup>	°C

REMARK : Work Load is Light, Indoor

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



Approved By.

(MRS. WANPEN LHAOCHINDAWAT)

03/12/2022

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