

## ภาคผนวกที่ 5

เอกสารสอบเทียบเครื่องมือตรวจวัด

## Calibration Report

**Customer Name** : Tata Steel Manufacturing (Thailand) PCL. (Branch : 00001)  
**Address** : 351 Moo 6 WHA Chonburi Industrial Estate 1, 331 Highway Road, Bo Win, Si Racha, Chon Buri 20230  
**Project Name** : โครงการขยายกำลังการผลิตเหล็กกลวด ระยะที่ 2  
**Sampling Date** : กรกฎาคม – ธันวาคม 2568

### Ambient

Item	Equipment	Manufacturer	Model	Serial Number	Calibration Date
1	TSP High-volume No. C28	Local	HIVOL-BBCBE	2022-01	September 15, 2025
2	TSP High-volume No. C20	Local	HIVOL-BBCBE	18392	September 15, 2025
3	TSP High-volume No.B3	Local	HIVOL-BBCBE	-	September 15, 2025
4	TSP High-volume No. C16	Local	HIVOL-BBCBE	B2012-10	September 15, 2025
5	Orifice	TISCH	TE-5025A	3142	Feb 17, 2025
6	Electronic Balance	Mettler Toledo	AB204-S	1123103723	January 10, 2025
7	SO <sub>2</sub> Analyzer	Thermo	43C	64389-343/2	September 15, 2025
8	SO <sub>2</sub> Analyzer	Thermo	43C	60772-328/2	September 15, 2025
9	SO <sub>2</sub> Analyzer	HORIBA	APNA-370	A5VTX5AF	September 15, 2025
10	NOx Analyzer	API	200A	068	September 15, 2025
11	NOx Analyzer	HORIBA	APNA-370	NKDVFYFRX	September 15, 2025
12	NOx Analyzer	HORIBA	APNA-370	TNTLC359	September 15, 2025
13	CO Analyzer	Thermo	48C	0415406563	September 15, 2025
14	CO Analyzer	Thermo	APMA-370	GFB0BLNC	September 15, 2025
15	CO Analyzer	HORIBA	APMA-370	XRP3Y7LA	September 15, 2025
16	Gas Cal Analyzer	Airgas	E04NI99E15A0292	EB0123013	October 22, 2019

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### Ambient (Cont.)

Item	Equipment	Manufacturer	Model	Serial Number	Calibration Date
17	Wind Speed and wind direction	Davis Instruments/Inc.	Weather Wizard III	WC20318A71	July 24, 2025
18	Sound Level Meter	Scarlet Tech	ST-21D	820463	September 16, 2025
19	Sound Level Meter	Scarlet Tech	ST-21D	820456	September 16, 2025
20	Sound Level Meter	Scarlet Tech	ST-11D	820938	September 16, 2025
21	Sound Level Meter	Scarlet Tech	ST-11D	820970	September 16, 2025
22	Acoustic Calibrator	BSWA TECH	CA114	470160	October 24, 2024

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### Stack

Item	Equipment	Manufacturer	Model	Serial Number	Calibration Date
1	Console Meter	APEX 2	XC-572-V	0604025	January 15, 2025
2	Flue Gas Analyzer	Testo SE & Co. KGaA	Testo 350 New	6345560/0822	January 21, 2025
3	Digital Thermometer	Testo SE & Co. KGaA	305	N0005658	January 7, 2025
4	Electronic Balance	Radwag	WTC2000	460680	February 5, 2025

### Water

Item	Equipment	Manufacturer	Model	Serial Number	Calibration Date
1	pH Meter	Eutech	pHTestr30	3011826	July 30, 2025
2	DO Meter	YSI	5000-115	17H104220	September 26, 2025
3	Electronic Balance	Mettler Toledo	MS204TS/00	B547728937	January 15, 2025
4	Electronic Balance	Mettler Toledo	MS204S/01	B334691537	January 15, 2025
5	Hot Air Oven	Memmert	UF 110	B414.0652	January 6, 2025
6	Hot Air Oven	Binder	FED 115 E2	11-22823	January 6, 2025

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### Solid Waste

Item	Equipment	Manufacturer	Model	Serial Number	Calibration Date
1	Atomic Absorption Spectrometer (AAS)	Perkin Elmer	PinAAcle900Z	PZAS19031401	August 25, 2025
2	Inductively Coupled Plasma (ICP-OES)	Agilent Technologies	5100VDV	MY15330001	November 25, 2024
3	UV-VIS Spectrophotometer	PerkiElmer	Lambda 365+	365PK22072603	January 7, 2025

### Workplace

Item	Equipment	Manufacturer	Model	Serial Number	Calibration Date
1	Sound Level Meter	ACO	6236	222117	September 16, 2025
2	Sound Level Meter	ACO	6236	222111	September 16, 2025
3	Sound Level Meter	ACO	6236	222116	September 16, 2025
4	Acoustic Calibrator	BSWA	CAL115	470205	January 13, 2024



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### Workplace (Cont.)

Item	Equipment	Manufacturer	Model	Serial Number	Calibration Date
5	Heat Stress Monitor	Metrosonics	HS-32	MCH110038	August 14, 2025
6	Heat Stress Monitor	Quest Technologies	QT-32	TPH030060	August 14, 2025
7	Heat Stress Monitor	Quest Technologies	QT-32	TPE110019	January 14, 2025
8	Heat Stress Monitor	Metrosonics	HS-32	MCB030005	March 7, 2025
9	Dry Cal	Bios International. Corporation, USA	DCL-M Rev.1.08	3328	October 7, 2024
10	Dry Cal	Bios International. Corporation, USA	DCL-M Rev.1.08	4492	September 6, 2025
11	Electronic Balance	AND	BM-5	T1004302	January 6, 2025

  
(Ms. Pawitra Nalek)  
Environmental Scientist



  
(Ms. Napajarut Muenwong)  
Laboratory Supervisor