

Scope of Accreditation for Calibration

Accreditation No. : CALIBRATION 0156

Laboratory Status : Permanent Site Temporary Mobile

Field of Measurement	Parameter/Range/Item	Calibration and Measurement Capability*	Standard/Technique/Method/Equipment/Remark
5. Electrical (cont.)	pH meter (cont.)		In-house method : CM-062 by direct measurement with standard calibrator
	DC Voltage		
	118.32 mV	65 μ V	
	-59.16 mV	65 μ V	
	0 mV	65 μ V	
	59.16 mV	65 μ V	
	118.32 mV	65 μ V	
	177.48 mV	65 μ V	
	236.64 mV	65 μ V	
	295.80 mV	65 μ V	
	354.96 mV	65 μ V	
414.12 mV	65 μ V		
6. Chemical	pH meter		In-house method : CM-062 by direct measurement with certified reference materials (CRM)
	Nominal pH		
	4	0.032	
	7	0.032	
	10	0.076	

* expressed as an uncertainty (+) which for k = 2, providing a level of confidence of approximately 95%

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6. Chemical (cont.)	Spectrophotometer		In-house method : CM-063 based on ASTM E 275-01 and ASTM E 295-02
	Wavelength		
	Holmium filter		
	Nominal 242 nm	0.68 nm	
	Nominal 279 nm	0.68 nm	
	Nominal 287 nm	0.68 nm	
	Nominal 334 nm	0.68 nm	
	Nominal 361 nm	0.68 nm	
	Nominal 419 nm	0.68 nm	
	Nominal 446 nm	0.68 nm	
	Nominal 454 nm	0.68 nm	
	Nominal 460 nm	0.68 nm	
	Nominal 536 nm	0.68 nm	
	Nominal 638 nm	0.68 nm	
	Dydimium filter		
	Nominal 432 nm	0.68 nm	
	Nominal 472 nm	0.68 nm	
	Nominal 514 nm	0.68 nm	
	Nominal 529 nm	0.68 nm	
	Nominal 574 nm	0.68 nm	
Nominal 585 nm	0.68 nm		

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6. Chemical (cont.)	Spectrophotometer (cont.)		In-house method : CM-063 based on ASTM E 275-01 and ASTM E 295-02
	Wavelength		
	Dydimium filter		
	Nominal 684 nm	0.68 nm	
	Nominal 740 nm	0.68 nm	
	Nominal 748 nm	0.68 nm	
	Nominal 807 nm	0.68 nm	
	Nominal 880 nm	0.68 nm	
	Photometric		
	Ultraviolet		
	235 nm		
	0.745 A	0.006 0 A	
	257 nm		
	0.869 A	0.026 0 A	
313 nm			
0.294 A	0.006 0 A		
350 nm			
0.648 A	0.026 0 A		

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6. Chemical (cont.)	Spectrophotometer (cont.) Photometric Visible		In-house method : CM-063 based on ASTM E 275-01 and ASTM E 295-02
	440 nm	0.006 2 A	
	1.036 A	0.006 2 A	
	0.733 A	0.006 2 A	
	0.545 A	0.006 2 A	
	465 nm		
	0.965 A	0.006 2 A	
	0.677 A	0.006 2 A	
	0.495 A	0.006 2 A	
	546 nm		
	0.997 A	0.006 2 A	
	0.687 A	0.006 2 A	
	0.510 A	0.006 2 A	
	590 nm		
	1.036 A	0.006 2 A	
	0.716 A	0.006 2 A	
0.539 A	0.006 2 A		
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6. Chemical (cont.)	Spectrophotometer (cont.) Photometric Visible 635 nm 0.988 A 0.684 A 0.524 A	0.006 2 A 0.006 2 A 0.006 2 A	In-house method : CM-063 based on ASTM E 275-01 and ASTM E 295-02
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Signature : *Nattapon Nattasomboon*

(Nattapon Nattasomboon)

Deputy Permanent Secretary for Industry

Chairman, Ministerial Cluster

for Industrial and Entrepreneurial Promotion

Chairman of Industrial Product Standards Council

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