



## 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
4. Dimension (cont.)	Profile projector (cont.)		In-house method : CM-082 based on JIS B 7184 : 1999
	Measuring accuracy of each axis		
	0 mm to 50 mm	1.5 $\mu\text{m}$	
	> 50 mm to 150 mm	2.0 $\mu\text{m}$	
	> 150 mm to 250 mm	2.0 $\mu\text{m}$	
	Measuring microscope / toolmaker's microscope		
Measuring accuracies of respective axis, x-axis direction and y-axis direction			
0 mm to 50 mm	1.5 $\mu\text{m}$		
> 50 mm to 150 mm	2.0 $\mu\text{m}$		
> 150 mm to 250 mm	2.0 $\mu\text{m}$		
5. Electrical	pH meter		In-house method : CM-062 by direct measurement with standard calibrator
	DC Voltage		
	-414.12 mV	65 $\mu\text{V}$	
	-354.96 mV	65 $\mu\text{V}$	
	-295.80 mV	65 $\mu\text{V}$	
	-236.64 mV	65 $\mu\text{V}$	
-177.48 mV	65 $\mu\text{V}$	<i>S. Manon</i>	

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

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5. Electrical (cont.)	pH meter (cont.)		In-house method : CM-062 by direct measurement with standard calibrator
	DC Voltage		
	118.32 mV	65 $\mu$ V	
	-59.16 mV	65 $\mu$ V	
	0 mV	65 $\mu$ V	
	59.16 mV	65 $\mu$ V	
	118.32 mV	65 $\mu$ V	
	177.48 mV	65 $\mu$ V	
	236.64 mV	65 $\mu$ V	
	295.80 mV	65 $\mu$ V	
	354.96 mV	65 $\mu$ V	
414.12 mV	65 $\mu$ 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	

*[Handwritten Signature]*

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