

# CERTIFICATE OF CALIBRATION

Issued By: Mitutoyo (UK) Ltd. Calibration Laboratory

Date of Issue: 30-Jun-2025 Certificate No.: 334770



0332



## Calibration Laboratory:

Mitutoyo (UK) Ltd  
6 Banner Park, Wickmans Drive  
Coventry, West Midlands  
CV4 9XA, United Kingdom  
T +44 (0)2476 426300  
F +44 (0)2476 426339  
calibration@mitutoyo.co.uk

## Head Office:

Mitutoyo (UK) Ltd  
West point Business Park, Joule Road  
Andover, Hampshire  
SP10 3UX, United Kingdom  
T +44 (0)1264 353123  
F +44 (0)1264 354883  
enquiries@mitutoyo.co.uk

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Approved Signatory:

G. Adams

## Customer:

PPT Group UK Ltd (Slinfold)  
t/a Mecmesin Limited  
Slinfold

## Manufacturer

Mitutoyo

## Description

825 mm Setting Rod

Equipment number: LB8A

## Identification

167-133

Serial No.

0053544

## Calibration Conditions

Ambient Temperature  
20.0 +/- 0.5 Degrees C.

## Basis of Calibration

To calibrate at the above conditions using traceable  
calibrated results to the Manufacturer's Specification.

## Date of Calibration

30-Jun-2025

## Method of Calibration

This item has been calibrated to the above standard using traceable calibrated equipment listed on this certificate.

## Estimated uncertainty of measurement:

$\pm 1.0 + (5 \times \text{length in metres})$  micrometres

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor  $k=2$ , which for a normal distribution corresponds to a coverage probability of approximately 95 %. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

Authorised By

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UKAS Accredited Calibration Laboratory No. 0332

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CHARACTERISTIC	NOMINAL	REQUIREMENT	ACTUAL
Length	825 mm	$\pm 0.0175$ mm	825.0010 mm
Parallelism		0.0020 mm	0.0011 mm

## Decision:

Actual measured results are within the requirements and accepted based on the below decision rule.

## Decision rule basis:

Unless the actual results stated on the calibration certificate are highlighted with an "\*" they will be classed as within the requirement / tolerance and accepted based on the binary decision rule (simple accept or simple reject) from JCGM 106: 2012 Clause 8.2 where the expanded uncertainty for  $k = 2$  is less than or equal to the requirement / tolerance allowing zero guard bands. Any actual measured results highlighted with an "\*" will be classed as outside the requirement / tolerance and rejected based on the above decision rule (see the attached document DOC-006-42.1). If the uncertainty of measurement is greater than the requirements / tolerance, no compliance statement will be provided.

## Comments:

Additional I/D LB8A

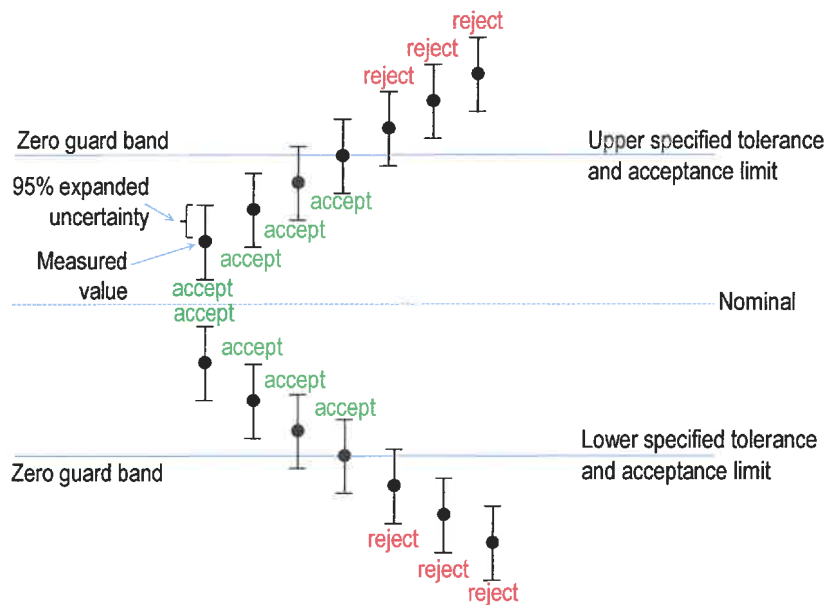
## Traceable equipment used during calibration:

Identification Nr.	Description	Certificate Nr.
WCL 289	Grade 0 Surface Table	331842
WCL 473	Gauge Block Set	331030
WCL 499	Mu-Checker System	328104
WCL 565	Check Master	2023070165/1/SG2/1046

\*\* End of report \*\*

**JCGM 106: 2012** Clause 8.2 - Decision rule based on simple acceptance / shared risk

Unless the actual results stated on the calibration certificate are highlighted with an “\*\*” or “^” they will be classed as within requirements / tolerance and **accepted** based on the binary decision rule (simple accept or simple reject) where the expanded uncertainty for  $k = 2$  is less than or equal to the requirement / tolerance allowing zero guard bands. Actual measured results highlighted with an “\*\*” or “^” are outside requirements / tolerance and **rejected** based on the above decision rule.



**Based on JCGM 106: 2012**

NOTE: If the uncertainty of measurement is greater than the required requirements / tolerance, no compliance statement will be provided. This will be clearly highlighted on the calibration certificate.