



## Certificate of Calibration

Certificate Number: 5523631030639779

### Customer:

ZHONGLI TALESUN HONG KONG LIMITED  
CARRETERA GUADALAJARA MORELIA #19200 INT. 3  
COL. BUENAVISTA  
TLAJOMULCO DE ZUÑIGA JALISCO 45640

Date : Jan 24, 2024

Work Order : GDL-450324

MP Control #: 30169  
Asset ID: 30169  
Description: DIGITAL TORQUE METER  
Manufacturer: HIOS  
Model Number: HP-100  
Size: 0.0 to 10.00 N·m, 0 to 90.0 lbf.in  
Resolution: 0.001 N·m, 0.01 lbf.in  
Temp./RH: 24.5°C / 48 % RH

Serial Number: 917431  
Department: MECHANICAL  
Location: MP LAB  
Received Condition: IN TOLERANCE  
Returned Condition: IN TOLERANCE  
Cal. Date: Jan 23, 2024  
Cal. Interval: 12 MONTHS  
Cal. Due Date: Jan 23, 2025

**STATEMENTS OF PASS OR FAIL CONFORMANCE:** The uncertainty of measurement has been taken into account when determining compliance with specification. All measurements and test results guard banded to ensure the probability of false-accept does not exceed 2% in compliance with ANSI/NCSL Z540.3-2006.

### THE CALIBRATION REPORT STATUS:

**PASS** - Term used when compliance statement is given, and the measurement result is PASS.

**PASS<sup>2</sup>** - Term used when compliance statement is given, and the measurement result is conditional passed or PASS<sup>2</sup>.

**FAIL** - Term used when compliance statement is given, and the measurement result is FAIL.

**FAIL<sup>2</sup>** - Term used when compliance statement is given, and the measurement result is conditional failed or FAIL<sup>2</sup>.

**REPORT OF VALUE** - Term used when reported measurement is not requiring compliance statement in report.

**ADJUSTED** - When adjustments are made to an instrument which changes the value of measurement from what was measured as found to new value as left.

**LIMITED** - When an instrument fails calibration but is still functional in a limited manner.

The expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor  $k=2$ , which for a normal distribution corresponds to a coverage probability of approximately 95%, unless otherwise stated. This calibration report complies with ISO/IEC 17025:2017 and ANSI/NCSL Z540.3. Calibration cycles and resulting due dates were submitted/approved by the customer. Any number of factors may cause an instrument to drift out of tolerance before the next scheduled calibration. Recalibration cycles should be based on frequency of use, environmental conditions and customer's established systematic accuracy. All standards are traceable to SI through the National Institute of Standards and Technology (NIST) and/or recognized national or international standards laboratories. Services rendered include proper manufacturer's service instruction and are warranted for no less than thirty (30) days. The information on this report pertains only to the instrument identified, this may not be reproduced in part or in a whole without the prior written approval of the issuing MP Calibration Laboratory.

### Standards Used to Calibrate Equipment

I.D.	Manufacturer	Description	Model	Traceability Number	Cal. Due Date
ED6102	STEREN	TERMOMETRO DIGITAL	TER-150	5523631030224988	May 9, 2024
CV3431	CDI	WEIGHT SET	2000-320-0	5523631030125045	Jul 17, 2024
EE2913	N/A	WEIGHT HOOK	N/A	5523631030171870	Jun 26, 2024

### Procedures Used in this Event

#### Procedure Name

MPC-TOD-001

#### Description

Torque Devices, General, Rev.06, Jan-04-2024

Additional notes: See attached data.

Calibrating Technician:

CAROLINA RICO

Approved By:

VICTORCRUZ