



MICRO PRECISION CALIBRATION PTE LTD
BLOCK 5008 ANG MO KIO AVENUE 5 #07-04
TECHPLACE II SINGAPORE 569874
65 67484384



Certificate of Calibration

Date: Apr 2, 2019

Cert No. 551220082899627

Customer:

WATERS PACIFIC PTE LTD

1 SCIENCE PARK ROAD, #02-08 THE CAPRICORN
SINGAPORE SCIENCE PARK II
SINGAPORE 117528

Work Order #: SG-11010345

MPC Control #: 11K5895Z
Asset ID: 91989
Gage Type: DC POWER SUPPLY, DUAL CHANNEL
Manufacturer: TDK-LAMBDA
Model Number: GENH 60-12.5
Size: N/A
Temp/RH: 22.0°C / 52.0%
Location: Calibration performed at MPC facility

Serial Number: 11K5895Z
Department: N/A
Performed By: SENGTHYE CHEW
Received Condition: IN TOLERANCE
Returned Condition: IN TOLERANCE
Cal. Date: March 30, 2019
Cal. Interval: 12 MONTHS
Cal. Due Date: March 30, 2020

Calibration Notes:

Please refer to the attached calibration data. (1 page).

Standards Used to Calibrate Equipment

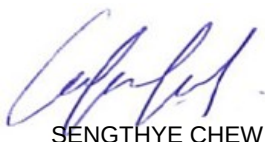
I.D.	Description.	Model	Serial	Manufacturer	Cal. Due Date	Traceability #
CA8179	MULTIMETER	3458A	2823A23892	HEWLETT PACKARD	May 31, 2019	551220081398539

Procedures Used in this Event

Procedure Name
MPC-00060

Description
Power Supply, General, 3-4-2016 rev02

Calibrating Technician:


SENGTHYE CHEW

QC Approval:


JULES PHILIPPE AGPANGAN

Statements of Pass or Fail Conformance: The uncertainty of measurement has been taken into account when determining compliance with specification, as per ILAC-G8:03/2009. All measurements and test results guard banded to ensure the probability of false-accept does not exceed 2% in compliance with ANSI/NCCL Z540.3-2006.

The status of compliance with the acceptance criteria is reported as:

PASS - Compliant with specification.

FAIL - Not compliant with specification.

FAIL² - The measured value is not within the acceptance limits. However, a portion of the expanded uncertainty of measurement at 95% is within the specified tolerance.

PASS² - The measured value is within acceptance limits. However, a portion of the expanded uncertainty of measurement at 95% exceeds the specified tolerance.

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/NCCL Z540.3 Method 6-Guard Bands based on Test Uncertainty Ratio. 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.