



INTERNATIONAL  
ACCREDITATION  
SERVICE®

# CERTIFICATE OF ACCREDITATION

*This is to attest that*

## **CASTCO TESTING CENTRE LIMITED**

33 ON KUI STREET  
FANLING, HONG KONG SAR

### **Calibration Laboratory CL-218**

has met the requirements of AC204, *IAS Accreditation Criteria for Calibration Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date November 13, 2023

Expiration Date May 1, 2025



A handwritten signature in black ink, reading 'Raj Nathan'.

**President**

# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

## CASTCO TESTING CENTRE LIMITED

[www.castco.com.hk](http://www.castco.com.hk)

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*Accredited to ISO/IEC 17025:2017*

*Effective Date November 13, 2023*

### CALIBRATION AND MEASUREMENT CAPABILITY (CMC)\*

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY <sup>1,2</sup> (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
<b>Chemical/Gas</b>			
NO <sub>2</sub> Gas Analyzer	Concentration: 0.02 ppm to 2 ppm	6.1 %	Comparison method by using Reference Gas Standard Generator, Permeation Tube System and N <sub>2</sub> Gas Cylinder (Method based on JJG 801:2004)
HCHO Gas Analyzer	Concentration: 0.01 ppm to 1.5 ppm	6.1 %	Comparison method by using Reference Gas Standard Generator, Permeation Tube System and N <sub>2</sub> Gas Cylinder (Method based on JJG 1022:2016)
H <sub>2</sub> S Gas Detector	Concentration: 0.01 ppm to 2 ppm	6.1 %	Comparison method by using Reference Gas Standard Generator, Permeation Tube System and N <sub>2</sub> Gas Cylinder (Method based on JJG 695:2003)

\* If information in this CMC is presented in non-SI units, the conversion factors stated in NIST Special Publication 811 "Guide for the Use of the International System of Units (SI)" apply.

<sup>1</sup>The uncertainty covered by the Calibration and Measurement Capability (CMC) is expressed as the expanded uncertainty having a coverage probability of approximately 95 %. It is the smallest measurement uncertainty that a laboratory can achieve within its scope of accreditation when performing calibrations of a best existing device. The measurement uncertainty reported on a calibration certificate may be greater than that provided in the CMC due to the behavior of the calibration item and other factors that may contribute to the uncertainty of a specific calibration.

<sup>2</sup>When uncertainty is stated in relative terms (such as percent, a multiplier expressed as a decimal fraction or in scientific notation), it is in relation to instrument reading or instrument output, as appropriate, unless otherwise indicated.

Note:

ppm = parts per million