



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

IMV (THAILAND) CO., LTD  
Amata City Chonburi Industrial Estate Phase 9#  
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ACOUSTICS AND VIBRATION

Valid To: June 30, 2024

Certificate Number: 4784.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following types of tests on mechanical components, automotive components, consumer products, electronic components, and medical devices.

<u>Test(s):</u>	<u>Test Method(s):</u>
Vibration (Sinusoidal)	IEC 60068-2-6 except the items 6, 7, 9, 10, 11; ISO 16750-3 Edition 3:2012-12  1 Hz ≤ frequency ≤ 3300 Hz, Displacement ≤ 100 mm p-p (1 to 7.63) Hz, Acceleration ≤ 1200 m/s <sup>2</sup> (47.75 to 2600) Hz
Vibration (Broad band random)	IEC 60068-2-64 except the items 6, 7, 8.4.2, 9, 10; ISO 16750-3:2012-12  1 Hz ≤ frequency ≤ 3300 Hz, Displacement ≤ 100 mm p-p, Acceleration ≤ 875 m/s <sup>2</sup> rms
Vibration (Mixed Mode)	IEC 60068-2-80:2005-05  Temperature (-49 to 150) °C, Humidity (20 to 98) %RH, Ramp Rate ≤ 1.5 °C/min  <i>Sinusoidal:</i> IEC 60068-2-6 except the items 6, 7, 9, 10, 11  1 Hz ≤ frequency ≤ 3300 Hz, Displacement ≤ 100 mm p-p, (1 to 7.63) Hz, Acceleration ≤ 1200 m/s <sup>2</sup> , (47.75 to 2600) Hz  <i>Broad Band Random:</i> IEC 60068-2-64 except the items 6, 7, 8.4.2, 9, 10; 1 Hz ≤ frequency ≤ 3300 Hz, Displacement ≤ 100 mm p-p, Acceleration ≤ 875 m/s <sup>2</sup> rms

<b><u>Test(s):</u></b>	<b><u>Test Method(s):</u></b>
Mechanical Shock	IEC 60068-2-27 except the items 6, 7, 9, 10; ISO 16750-3:2012-12  <i>Half-sine, saw-tooth:</i> Acceleration $\leq 1000$ m/s <sup>2</sup> , Duration of pulse (3 to 30) ms  <i>Trapezoidal:</i> Acceleration $\leq 800$ m/s <sup>2</sup> , Duration of pulse (11 to 30) ms
Environmental Testing Hot/Cold (Nb)	IEC 60068-2-14 Edition 6: 2009-01; ISO 16750-4 Edition 3: 2010-04  Temperature (-49 to 180) °C, Ramp Rate $\leq 1.5$ °C/min
Environmental Testing Cold	ISO 16750-4 Edition 3:2010-04; IEC 60068-2-1: Edition 6: 2007-03  Temperature $\geq -49$ °C
Environmental Testing Hot	IEC 60068-2-2 Edition 5: 2007-07; ISO 16750-4 Edition 3: 2010-04  Temperature $\leq 200$ °C
Environmental Testing Temperature and Humidity (Cyclic)	IEC 60068-2-30 Edition 3:2005-08; ISO 16750-4 Edition 3: 2010-04  Temperature (-49 to 180) °C, Humidity (10 to 98) %RH
Environmental Testing Temperature and Humidity (Static)	IEC 60068-2-78 Edition 2: 2012-10; ISO 16750-4 Edition 3: 2010-04  Temperature (-49 to 180) °C, Humidity (10 to 98) %RH
Thermal Shock Test	IEC 60068-2-14 Edition 6: 2009-01 ISO 16750-4 Edition 3:2010-04 Temperature (-50 to 150) °C Temperature recovery time 10 minutes or less

Laboratory also performs testing to customer specification for testing related to the types of tests above within the parameters defined.



## Accredited Laboratory

A2LA has accredited

**IMV (THAILAND) CO., LTD**

*Chonburi, Thailand*

for technical competence in the field of

**Acoustics and Vibration Testing**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 27<sup>th</sup> day of July 2022.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 4784.01  
Valid to June 30, 2024

*For the types of tests to which this accreditation applies, please refer to the laboratory's Acoustics and Vibration Scope of Accreditation.*