



IECQ QUALITY ASSESSMENT SYSTEM (IECQ)

For rules and details of the IECQ visit www.iecq.org

IECQ Certificate of Approval Independent Testing Laboratory

IECQ Certificate No.:	IECQ-L ULTW 16.0003-14	Issue No.:	2	Status:	Current
Additional Site to Certification: IECQ-L ULTW 16.0003		Originally Issued: 2016/07/28			
Supersedes:	IECQ-L ULTW 16.0003-14 Issue 1	Issue Date:	2025/07/09	Site Added:	2024/08/07
CB Reference No.:	50600326 ITL	Expiration:	2028/07/27		

Materials Analysis Technology (Shanghai) Ltd.
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China

The organization, facilities and procedures have been assessed by the IECQ Certification Body in accordance with IECQ 03-1 and IECQ 03-6 for issuance of this certificate and found to be in conformity with the applicable requirements of the IECQ Independent Testing Laboratory Assessment Program Requirements Scheme and in respect of ISO/IEC 17025:2017 for the testing of component product under the IECQ.

Scope:

**The materials analysis and failure analysis of semiconductors. The reliability testing of semiconductors in component level, board level, system level.
See attached Schedule.**

-- Attached Schedule: IECQ-L_ULTW_50600326 ITL_07-09-25.pdf --

Approved by Certification Body (CB): DQS Group - DQS Taiwan Inc.

8F, 23, Yuan Huan West Road,
Feng Yuan Dist., Taichung City
Taiwan

Authorized person:
Bob CHEN



The validity of this certificate is maintained through on-going surveillance audits by the IECQ CB issuing this certificate.
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**Schedule of Scope to Certificate of Approval
Independent Testing Laboratory**

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Schedule Number: IECQ-L ULTW 16.0003-14-S Rev No.: 2 Revision Date: 2025/07/09 Page 1 of 2

**Appendix-1 (50600326 ITL)
Schedule of Scope to Certificate of Approval**

Description test	Standard
Scanning Electron Microscope (SEM)	T-SEM-3
Energy Dispersive Spectrometry of X-ray (EDS)	T-SEM-3, T-TEM-3
X-Ray imaging	T-EFA-3
Scanning Acoustic Tomography (SAT)	T-EFA-3
Optical Microscope (OM)	T-OMI-3
3D Optical Microscope (3D OM)	T-LAB-3
IC Layout Imaging	T-OMI-3
Circuitry analysis	T-OMI-3
3D X-Ray microscope	T-EFA-3
Nano Probe	T-EFA-3
Secondary Ion Mass Spectrometry (SIMS)	T-SIM-3
Atomic Force Microscope (AFM)	T-SIM-3
Conductive atomic force microscopy (C-AFM)	T-SIM-3
Alpha-step stylus profiler	T-SIM-3

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DQS-Group - DQS Taiwan Inc., Feng Yuan Dist., Taichung City, Taiwan





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X-Ray Photoelectron Spectroscopy (XPS)	T-SIM-3
Scanning Capacitance Microscopy (SCM)	T-SIM-3
High Temperature Operation Life test (HTOL)	IEC 60068-2-1, JESD22-A108
Low Temperature Operation Life test (LTOL)	IEC 60068-2-1, JESD22-A108
Bias Life test (BLT)	JESD22-A108
Highly Accelerated Stress test (HAST)	JESD22-A110
Temperature and Humidity with Bias test (THB)	JESD22-A101
Transmission Electron Microscope (TEM)	T-TEM-3
Focused Ion Beam microscope (FIB)	T-FIB-3

Technical Reviewer of DQS: Paul Yang Date: 7/9/2025

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