IEC QUALITY ASSESSMENT SYSTEM (IECQ)

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IECQ Certificate of Approval
Independent Testing Laboratory

IECQ Certificate No.: **IECQ-L DEKRA 16.0002-01** Issue No.: **8** Status: **Current**

Additional site to certification: IECQ-L DEKRA 16.0002 Initial Date: 2016-08-17

Supersedes: IECQ-L DEKRA 16.0002-01 Issue 7 Issue date: **2026-10-22** Site Added: **2016-08-17**

CB Reference No.: DEKRA-T5B-003 Expiration: **2028-08-16**

Applicant: **Integrated Service Technology Inc.**
1F, No. 19/22 Pu-Ding road, Hsinchu City, 300, Taiwan, Taiwan

The organization, facilities and procedures have been assessed by the IECQ Conformity Assessment 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 the listed standard(s) or specification(s) for the testing of component product under the IECQ:

- **ISO/IEC 17025:2017** - General requirements for the competence of testing and calibration laboratories

Scope:

-
Environmental and Reliability Testing of Electronic Components, Assemblies, and Related Materials
-
See attached Schedule of Scope
-

-- Attached schedule(s): IECQ-L DEKRA 16.0002-01-S_2.pdf

Issued by: **DEKRA Certification B.V.**
Meander 1051, Arnhem, Netherlands
https://www.dekra-product-safety.com/en/about-dekra/locations/europe/netherlands/arnhem

Authorised person: Rosa Zhou

The validity of this certificate is maintained through on-going surveillance audits by the IECQ CB issuing this certificate.
This Certificate of Conformity may be suspended or cancelled (withdrawn) in accordance with the Rules of Procedure of the IECQ System.
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Schedule of Scope to Certificate of Approval

Independent Testing Laboratory

IECQ Certificate No.: IECQ-L DEKRA 16.0002-01

CB Certificate No.: DEKRA-T5B-003

Environmental and Reliability Testing of Electronic Components, Assemblies, and Related Materials

Description test	Standard
TEM analysis	A00-530-30057, A00-530-30197
DUAL BEAM FIB analysis	A00-530-30130
FIB (Focused Ion Beam) analysis	A00-530-30130
SA-XPS	ISO 15472, ISO 24237
SA-FTIR	ASTM E1252, ISO 23210
SA-AFM	ISO 18115, ISO 11801
SA-XRD	ISO 22291, ASTM E1424, ASTM E1181
SA-TMA	ASTM E831, ASTM D696, ASTM D3386, ISO 11359-2
HBM	MIL-STD-883, JEDEC-114, ANSI/ESDA/JEDEC JS-001, AEC-Q100, AEC-Q101, EIAJ ED-4701/300
MM	JEDEC-A115, ANSI/ESD STM5.2, EIAJ ED-4701/300
CDM	ANSI/ESDA/JEDEC JS-002, JEDEC22-C101, AEC-Q100, AEC-Q101
Latch Up	JESD78, AEC-Q100
ESD Gun	AEC-Q200, IEC61000-4-2, ISO10605
FIB (Focused Ion Beam)	A00-310-30001
Printed Wiring Board Strain Gage Test	IPC-9703, IPC-9704
Board Level Reliability (BLR) Testing	AEC-Q007
Dye and Pry	IPC-TM-650
Hermeticity	JESD22-A109
Lead Integrity	JESD22-B105
Marking Permanency (RCA)	JESD22-B107
Mechanical Compressive Static Stress Test	JESD22-B119

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IECQ Certificate No.: IECQ-L DEKRA 16.0002-01

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Pencil Hardness Test	ASTM D3363
Solder Ball Pull	JESD22-B115, IPC-9708
Shear	JESD22-B117, AEC-Q100, JESD22-B116
Solderability Tests	J-STD-002, J-STD-003, IPC-A-610
Temperature-Humidity Test	JESD22-A101, MIL-STD-810
Durability	ASTM F2357, EIA-364-13, EIA-364-09, ASTM D3363
Pull and Push test	EIAJ ED-4702, AEC-Q200, MIL-STD-883
Bending	AEC-Q200-005, IPC-9707, IPC-9702, JESD22-B113, SEMI G86-0217
Temperature Cycling	JESD22-A104, IPC-9701, JESD22-A106, MIL-STD-810, IEC 60068-2
Resistance to Solder Heat	JESD22-B106, MIL-STD-750, MIL-STD-202
Resistance to Wave Soldering	JESD22-A111

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