



Microtek Laboratories China Completes First IPC-4101D Validation Services Test Program (27 November 2017)

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Microtek Laboratories China has completed the first qualification testing program for IPC-4101 Validation Services for a Mainland Chinese manufacturer of Copper-Clad Laminates and Prepreg. The Qualification Testing for IPC-4101 Validation Services must be conducted at an IPC approved independent test lab. The product tested from Ventec International was the first copper-clad laminate material from Mainland China to be QPL certified under the IPC Validation Services program for IPC-4101. The testing protocol followed the requirements of IPC-4101 for qualification specification sheet 41 for polyimide base materials:

From IPC-4101:

3.4 Qualification Testing *Laminate and prepreg base materials furnished under this specification shall be qualified as described in Table 3-1 for laminates and Table 3-2 for prepreps. The supplier shall retain on file, supporting data that the materials meet the requirements of this specification using the test methods described herein. Qualification testing shall be performed to demonstrate the supplier's ability to meet all of the requirements of each applicable specification sheet for each base material.*



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The qualification tests for each base material included minimum performance characteristics such as peel strength after various conditioning steps, electrical performance, Dk / Df, physical properties, dimensional stability, moisture absorption, chemical resistance, and flammability.

According to Doug Sober, Director - International Sales & Marketing, "This is the start of many qualification projects for IPC-4101 as high-end, base material suppliers attempt to separate their products from the rest of the commodity producers in Asia. As an IPC Validation Services qualified laboratory for IPC-4101, Microtek China is proud to be a part of this program."

For further information about Microtek Laboratories China or the IPC Validation Services for IPC-4101, please contact DougSober@TheTestLab.cn

About Microtek Laboratories China:

Microtek Laboratories China is a leading third-party testing agency, serving the electronics and polymeric materials manufacturing industry world-wide. It is operated in accordance with the ISO/IEC17025: 2005 management system, accredited by CNAS, CMA, and many large OEM's. The lab provides testing and conformance verification to company, national & international standards for automotive, telecommunication, aerospace & aviation, electronic information products, polymeric products and other related industries and suppliers. It is a CQC licensed lab for "Non-metal materials" including printed circuit boards (PCB), copper-clad laminates (CCL) and plastics. The lab is also designated as the product service center for CPCA, an authorized training center for IPC-6012, IPC-A-610 & IPC-A-600, as well as a IPC Validation Services Qualified Test Laboratory for IPC-6012 and IPC-4101. In addition, Microtek Laboratories China has the capability of temperature and humidity calibration as recognized by CNAS.



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