

APPLICATION NOTE

Verification of Accuracy of Indium Corporation's In-House Pb Testing Methods

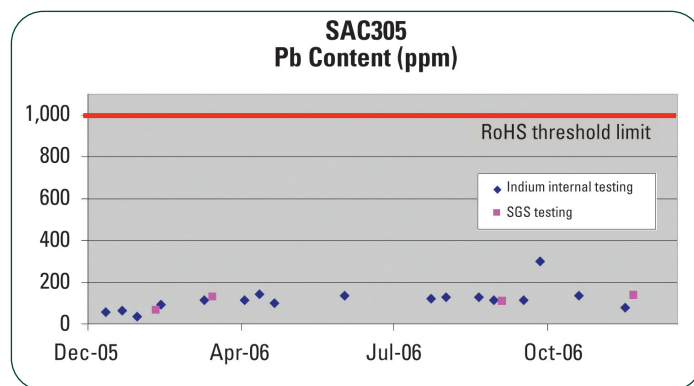
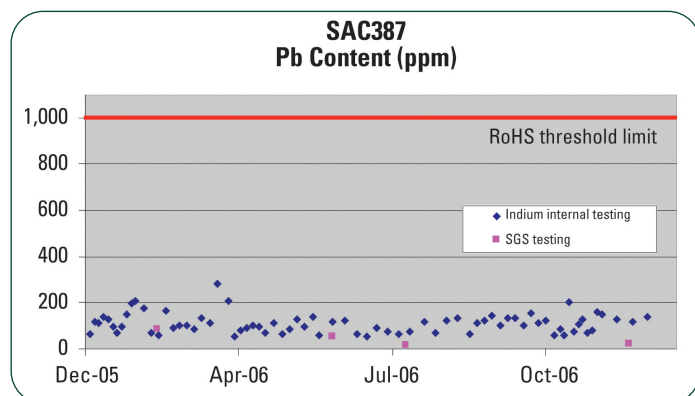
Inductively Coupled Plasma (ICP) is a primary analytical method used to test metal-containing products. The ICP can detect most of the metals, which includes RoHS metals—Pb, Cd, Cr (total), and Hg. PBBs (polybrominated biphenyls) and PBDEs (polybrominated diphenyl ethers) are not tested because they are not added to any of Indium Corporation's products.

Indium Corporation's certificate of analysis (C of C), which is sent with each product lot, contains in-house testing results on alloy composition and impurities.

Fluxes and epoxy fluxes are not required to be tested as no metals are added.

Following are ICP test results on our products with SAC387 and SAC305, which are the most common lead-free alloys.

The ICP results have shown that the spread of the lead content in our products is significantly less than the required threshold limit for RoHS. Our testing results show that our internal test and control are sufficient to ensure that our products are compliant with the requirements of RoHS. The SGS data shown in the graphs is within the spread of Indium Corporation's internal testing data. This concludes that Indium Corporation's internal testing method is sensitive enough to determine whether the products are RoHS-compliant.



This product data sheet is provided for general information only. It is not intended, and shall not be construed, to warrant or guarantee the performance of the products described which are sold subject exclusively to written warranties and limitations thereon included in product packaging and invoices. All Indium Corporation's products and solutions are designed to be commercially available unless specifically stated otherwise.

All of Indium Corporation's solder paste and preform manufacturing facilities are IATF 16949:2016 certified. Indium Corporation is an ISO 9001:2015 registered company.

From One Engineer To Another®

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Form No. 98287 R2

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