

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

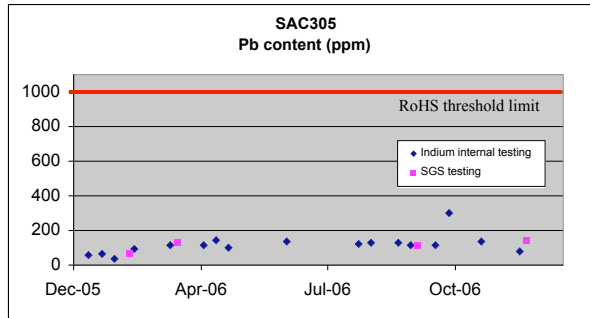
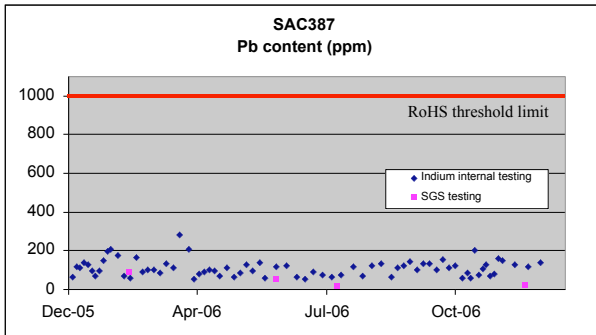
Inductively Coupled Plasma (ICP) is used to test all metal-containing products. The ICP can detect most of the metal, which includes RoHS metals—Pb, Cd, Cr (total), and Hg. PBBs and PBDEs are not tested because they are not added to any of Indium Corporation's products.

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

Fluxes and epoxys are not required to be tested as no metals or flame retardants 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 is 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.



APPLICATION NOTE

This application note 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.

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