



Contact Inter-Source for laboratory information.

Customer: Inter-Source Recovery Systems Lab No.: 061511
Location: Kalamazoo, MI Date: May 31, 2006
Facility: XXXXXX

Background

Two samples of aluminum chips were sent to the lab, for moisture analysis, from the system described above. Both samples were in separate plastic containers with tight fitting lids. There was no suspicion that the samples had dried out in transit. The samples appeared to be the same type of chip but were labeled #1 and #2.

Procedures

The basic analysis is to place the pre-weighed chips in the oven to dry. Once removed, the sample is allowed to reach room temperature and is reweighed. The difference in weight is then used to calculate moisture content. A second step was conducted on these samples; the dried chips were rinsed with petroleum ether and methanol to remove any oil and coolant residue from the chips. The solvents are removed from the chips, by drying again, before the final weight is measured. In this test there was no discoloration of the oil solvents.

Results

The table below shows the results obtained from these samples.

Sample ID	% Moisture	% Oil	% Solids
#1	0.17 %	0 %	99.83 %
#2	0.11 %	0 %	99.89 %

The above information is presented to be true and accurate to the best of our knowledge. It is understood that factors beyond the control of the laboratory will influence the operation.