

## ***TEST PROCEDURE GUIDELINES***

<b><i>TEST METHODS: SOLVENT RETENTION</i></b>
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### ***PURPOSE OF PROCEDURE:***

To determine if solvents are retained in a given batch of IML labels.

### ***DEFINITION OF TERMS:***

Solvent is defined as that which can dissolve another substance.

### ***EQUIPMENT/MATERIALS NEEDED:***

1. Analytical balance
2. Vacuum oven
3. IML labels to be tested.

### ***PREPARATION OF MATERIALS:***

1. Pre heat oven to 80 degrees C.
2. Weigh five labels as a group to the nearest 0.0001 gram and record.

### ***TEST PROCEDURE:***

1. Insert labels into preheated oven for one hour under 30 inches of vacuum.
2. Remove after the one hour time elapses, and place labels into a desiccator to cool.
3. Weigh cooled labels, and record to the nearest .0001 gram.
4. Subtract the second weights from the original weights, multiply by 100 and divide by the original label weight.

### ***EVALUATION:***

Note percentage of solvent retention.

### ***DOCUMENTATION:***

The allowable tolerance that is agreed upon by the customer should be in written specifications provided by the customer.

The frequency of the test to be performed must also be agreed upon by the customer. That is to say that the customer should provide in his specification how often the test is to be

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done and by what form of sampling method, (random or non-random). These will be used to record results.

Many customers will require representative samples to be kept in inventory to reference in the event that the customer finds a defect in the provided order. This frequency of these retains should also be specified to ensure compliance.

*Note:* When test is performed with paper, results may vary due to moisture.

*REFERENCES:*