CCIL / LABORATORY INSPECTION CHECKLIST


APPARATUS:

1. Balances: Readable and accurate to 0.1g or 0.1% of the test load, which ever is greater, at any point within the range of use? .................................................................

2. Sieves: Nest of two sieves - 75µm sieve with 1.18mm protection sieve? ..............

3. Container: Pan of sufficient size to contain the sample covered with water and to permit vigorous agitation without loss of any part of the sample or water? ........

4. Oven: Capable of maintaining a uniform temperature of 110 ± 5.0ºC ........

5. Wetting Agent: Dispersing agent (e.g. liquid dishwashing detergents) to promote separation of the fine material? .................................................................

PROCEDURE:

a. Mixed sample thoroughly, then reduced according to ASTM 702 to an amount specified below? ........................................................................................................

<table>
<thead>
<tr>
<th>Nominal Max. Size</th>
<th>Minimum Mass (gm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.75mm or &lt;</td>
<td>300</td>
</tr>
<tr>
<td>&gt; than 4.75mm to 9.5 mm</td>
<td>1000</td>
</tr>
<tr>
<td>&gt; than 9.5 mm to 19.0 mm</td>
<td>2500</td>
</tr>
<tr>
<td>&gt; than 19.0 mm</td>
<td>5000</td>
</tr>
</tbody>
</table>

b. Dried test sample in the oven to constant mass at 110 ± 5ºC? .....................

c. Determined Mass to 0.1 % of the mass of test sample? .......................................... 

d. Placed sample in container and add sufficient water to cover it? ......................

or

> Added wetting agent to the first charge only – additional charges are with water only until wash water is clear? .................................................................

e. Agitated sample to separate fines (P/75µm)? ..............................................................

f. Poured wash water over nested sieves (1.18mm & 75µm)? ........................................

g. Repeat until wash water is clear? ..............................................................................

h. Return R/75µm material to the washed sample? .........................................................

i. Dry the washed sample to constant mass at 110 ± 5.0ºC? ........................................
CALCULATIONS / Clause 10.0

a. Calculated the amount of material passing the 75µm sieve? .................................

Example:  \[ A = \left(\frac{B - C}{B}\right) \times 100 \]

Where:

- \( A \) = % of material finer than 75µm (No. 200) sieve by washing
- \( B \) = original dry mass of sample
- \( C \) = dry mass of sample after washing

REPORTING / Clause 11.0

a. Reported % of washed material passing the 75µm (No. 200) sieve to the nearest 0.1%?  .................................................................

b. Included procedure used?  .................................................................

COMMENTS:

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