AfCS Solution Protocol

Reagent name: Sulfuric acid, 1 M
Reagent name abbreviation: 1 M H$_2$SO$_4$
Protocol ID: PS00000031
Version: 01
Volume: 500 ml

Components:

<table>
<thead>
<tr>
<th>Reagent</th>
<th>Source</th>
<th>Catalog or Protocol No.</th>
<th>F.W. or Stock Conc.</th>
<th>Quantity</th>
<th>Final Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric acid (H$_2$SO$_4$)</td>
<td>Mallinckrodt</td>
<td>2876</td>
<td>~18 M</td>
<td>27.8 ml</td>
<td>1 M</td>
</tr>
</tbody>
</table>

Preparation:
1. Pour 400 ml of purified water into a 500-ml graduated cylinder.
2. Measure 27.8 ml of H$_2$SO$_4$ in a glass graduated cylinder and carefully add to the water.
3. Rinse graduated cylinder with purified water, and adjust volume to 500 ml with purified water.
4. Cover graduated cylinder with Parafilm, and mix carefully by inversion.
5. Store the solution in a 500-ml glass bottle.

Storage:
Temperature: Room temperature
Location: __________________
Aliquot size: NA
Special instructions: None

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Date: 12/12/01
Approved: Paul Sternweis
Comments: None