Product Information

Methyl 4-hydroxybenzoate
Sigma Reference Standard

Catalog Number: M8911
Lot Number: 099K8725
Store at Room Temperature

CAS RN: 99-76-3
Synonyms: Methyl paraben; Methyl p-hydroxybenzoate; Benzoic Acid, 4-hydroxy-, methyl ester

Product Description
Molecular Formula: C₈H₈O₃
Molecular Weight: 152.15

This product meets USP specifications (Current through USP 32, 2nd Supplement) and is traceable to USP Reference Standard Lot K0C382.

Precautions and Disclaimer
This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions
Dry a portion over silica gel for 5 hours before use. Use promptly. Discard unused material.

Storage/Stability
Store in a sealed vial at room temperature.

<table>
<thead>
<tr>
<th>TEST</th>
<th>USP 32 SPECIFICATIONS</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identification A</td>
<td>compares to standard</td>
<td>conforms to USP RS Lot K0C382</td>
</tr>
<tr>
<td>Infrared absorption spectra (ATR) &lt;197M&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Identification B</td>
<td>between 125 and 128 °C</td>
<td>125-126 °C</td>
</tr>
<tr>
<td>Melting Range &lt;741&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color of solution</td>
<td>passes test</td>
<td></td>
</tr>
<tr>
<td>Acidity</td>
<td>Blue color</td>
<td></td>
</tr>
<tr>
<td>Residue on ignition &lt;281&gt;</td>
<td>not more than 0.1%</td>
<td></td>
</tr>
<tr>
<td>Chromatographic purity &lt;621&gt;</td>
<td>No impurity greater than 0.5%</td>
<td></td>
</tr>
<tr>
<td>Related substances</td>
<td>The chromatogram for Standard Solution B contains two clearly separated principal spots</td>
<td></td>
</tr>
<tr>
<td>Residual Solvents &lt;467&gt;</td>
<td>meets requirements</td>
<td></td>
</tr>
<tr>
<td>Assay &lt;541&gt;</td>
<td>not less than 98.0% and not more than 102.0%</td>
<td></td>
</tr>
</tbody>
</table>

See reverse side for IR spectrum of Sigma Reference Standard
Infrared Spectrum (ATR)