Technical Data Sheet

Betaine HCl

Product Information

Molecular formula: C5H12ClNO2
CAS Nr: 590-46-5
EINECS: 209-683-1
Molecular weight: 153.61
Synonyms: Betaine hydrochloride, Betaine HCl

Chemical Structure

Physical Properties

Melting point, 241-242 °C(lit.)
FEMA 4223

Specification

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>White granular crystals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assay, %</td>
<td>≥ 98.0</td>
</tr>
<tr>
<td>PH</td>
<td>0.8~1.2</td>
</tr>
<tr>
<td>Water, %</td>
<td>≤ 1.0</td>
</tr>
<tr>
<td>Heavy metals (Pb), ppm</td>
<td>≤ 20.0</td>
</tr>
<tr>
<td>Residue on Ignition, %</td>
<td>≤ 1.0</td>
</tr>
<tr>
<td>Lead, ppm</td>
<td>≤ 10</td>
</tr>
<tr>
<td>Arsenic, ppm</td>
<td>≤ 2</td>
</tr>
<tr>
<td>The limit of total amine, ppm</td>
<td>≤ 300</td>
</tr>
<tr>
<td>Particle size</td>
<td>Through 20 Mesh</td>
</tr>
</tbody>
</table>
Safety

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on safety.

Applications

Used for food, feed additives,
Pharmaceutical grade regulator used in gastrointestinal function

Packaging

25kg bag packing, 16mt/20” container without pallet, 15mt/20” container with 20 pallet
25kg fiber drum packing, 12mt/20” container without pallet, 9mt/20” container with 20 pallet

Storage & Handling

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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