Technical Data Sheet

Beta-alanine

Product Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Beta-alanine</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS #</td>
<td>107-95-9</td>
</tr>
<tr>
<td>Formula</td>
<td>C3H7NO2</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>89.09</td>
</tr>
<tr>
<td>Synonyms</td>
<td>2-AMINOPROPIONIC ACID, BETA-ALA</td>
</tr>
</tbody>
</table>

Description

White crystalline powder. Beta-Alanine is a non-essential amino acid obtained through protein foods and it naturally occurs in the body. Beta Alanine (BA) is found naturally in both the body and in foods such as chicken. Beta-Alanine's performance enhancing effects are due to its ability to raise intra-muscular levels of carnosine. Research has shown that there is a strong relationship between carnosine concentrations in muscle and high intensity exercise performance.

Physical Properties

- Melting point, °C: 202 °C (dec.)(lit.)
- Density: 1,437 g/cm³
- Flash point, °C: 204-206°C

Specification

<table>
<thead>
<tr>
<th>Items</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White crystalline powder</td>
</tr>
<tr>
<td>Assay, %</td>
<td>98.00~101.00</td>
</tr>
<tr>
<td>Chloride, %</td>
<td>≤0.02</td>
</tr>
</tbody>
</table>
Safety

This substance is a cholinoreceptor antagonist at the neuromuscular junction. This substance possesses curare-like properties and should be handled with extreme care.
Always refer to the Material Safety Data Sheet (MSDS)

Applications

β-Alanine is a naturally occurring beta amino acid.
β-Alanine is formed in vivo by the degradation of dihydrouracil (D449990) and carnosine.

Packaging

25kg/drum

Storage & Handling

Stored in a cool and dry well-closed container. Keep away from moisture and strong light/heat.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, however arising, even if we have been advised of the possibility of such damages.
Hefei TNJ Chemical Industry Co., Ltd.

B911 Xincheng Business Center
Qianshan Road, Hefei
230022 Anhui
China

Tel: (0086) 551 5418695
Fax: (0086) 551 5418697
Email: info@tnjchem.com
Site: www.tnjchem.com