Specification

Version 05
19.02.2010

Code No. 62700

CAS No. 4414-88-4
EEE No. 224-574-9

Chemical Name 2-Benzimidazoleacetonitrile
2-Cyanomethyl-1H-benzimidazole

Structure

\[
\text{N} \quad \text{N} \quad \text{CN} \\
\text{H} \quad \text{H} \\
\]

Molecular Formula \( \text{C}_9\text{H}_7\text{N}_3 \)

Molecular Weight 157,17

Product Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Beige to light-brown crystalline powder</td>
</tr>
<tr>
<td>Assay (%%)</td>
<td>( \geq 97,0 ) (HPLC)</td>
</tr>
<tr>
<td>Water (%)</td>
<td>( \leq 0,5 ) (KF)</td>
</tr>
</tbody>
</table>

Storage       Cool, dry, tightly closed

Application Intermediate in organic syntheses

Changes in comparison to previous issue: Safety Data eliminated