Product Data Sheet
(5N) 99.999% Barium Sulfate Nanopowder
Product Code: BA-SAT-05-NP

Formula: $\text{BaSO}_4$
CAS No.: 7727-43-7
EC No.: 231-784-4
MDL: MFCD00003455

Chemical Identifiers

<table>
<thead>
<tr>
<th>Linear Formula</th>
<th>$\text{BaSO}_4$</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDL Number</td>
<td>MFCD00003455</td>
</tr>
<tr>
<td>EC No.</td>
<td>231-784-4</td>
</tr>
<tr>
<td>Beilstein Registry No.</td>
<td>N/A</td>
</tr>
<tr>
<td>Pubchem CID</td>
<td>24414</td>
</tr>
<tr>
<td>IUPAC Name</td>
<td>barium(2+) sulfate</td>
</tr>
<tr>
<td>SMILES</td>
<td>$[\text{Ba}+2],[\text{O}-]S([\text{O}-])(=\text{O})=\text{O}$</td>
</tr>
<tr>
<td>InChI Identifier</td>
<td>InChI=1S/Ba.H2O4S/c;1-5(2,3)4/h(H2,1,2,3,4)/q+2;/p-2</td>
</tr>
<tr>
<td>InChI Key</td>
<td>TZCXTZWJZNENPQ-UHFFFAOYSA-L</td>
</tr>
</tbody>
</table>

Total Metal Impurities: 0.001% max.

Packaging Specifications
Typical bulk packaging includes palletized plastic 5 gallon/25 kg. pails, fiber and steel drums to 1 ton super sacks in full container (FCL) or truck load (T/L) quantities. Research and sample quantities and hygroscopic, oxidizing or other air sensitive materials may be packaged under argon or vacuum. Shipping documentation includes a Certificate of Analysis and Safety Data Sheet (SDS). Solutions are packaged in polypropylene, plastic or glass jars up to palletized 440 gallon liquid totes, and 36,000 lb. tanker trucks.
A Certificate of Analysis and Materials Safety Data Sheet (SDS) in accordance with EN 10204 are supplied with every shipment.