Cesium Carbonate, purity min. 99 % (50 % solution in water)

CAS-No. 534-17-8
EC-No. 208-591-9
REACH No. 01-2120089561-51
Molecular Formula Cs₂CO₃
Product Number 423611

APPLICATION
Cesium carbonate is a versatile base in organic synthesis.

PURITY
min. 99 %

SPECIFICATION

<table>
<thead>
<tr>
<th>Element</th>
<th>Max. Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Li</td>
<td>max. 5 ppm</td>
</tr>
<tr>
<td>Na</td>
<td>max. 100 ppm</td>
</tr>
<tr>
<td>K</td>
<td>max. 200 ppm</td>
</tr>
<tr>
<td>Rb</td>
<td>max. 1500 ppm</td>
</tr>
<tr>
<td>Ca</td>
<td>max. 10 ppm</td>
</tr>
<tr>
<td>Ba</td>
<td>max. 50 ppm</td>
</tr>
<tr>
<td>Al</td>
<td>max. 50 ppm</td>
</tr>
<tr>
<td>P2O5</td>
<td>max. 25 ppm</td>
</tr>
<tr>
<td>SO4</td>
<td>max. 100 ppm</td>
</tr>
<tr>
<td>Cl</td>
<td>max. 100 ppm</td>
</tr>
</tbody>
</table>

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Technical data sheets may change frequently. You can download the latest version from our website www.albemarle-lithium.com. Please contact us at www.albemarle-lithium.com/contact with questions.
NO₃ max. 50 ppm

Values are based on the dry salt. Due to the nature of the production process, small amounts of cesium will be present either as hydroxide or as bicarbonate. Deliveries are accompanied by a lot specific certificate of analysis. If any of these values is critical to your application, please let us know.

PHYSICAL PROPERTIES

Appearance liquid
Color colorless
Flash point (Not applicable)
Boiling point/boiling range ca. 110 °C
Density ca. 1.7 g/cm³ at 20 °C
Water solubility (completely miscible)
Molecular weight 325.82 g/mol

Additional Physical Properties Concentration: 50 - 52 % by weight

HANDLING & STORAGE

Handling Contact with skin and eyes or ingestion will cause serious caustic burns.
Storage Cesium carbonate solution should be stored in tightly closed containers.

TRANSPORT & PACKAGING

ADR Not regulated as a dangerous good
Cesium Carbonate, purity min. 99 % (50 % solution in water)

Product Number: 423611
Date of Issue: 2016/08/24

Hazard pictograms

Signal Word
Danger

H&P Phrases
See Safety Data Sheet

Labelling
The labelling is according to EU-GHS classification ((EG) 1272/2008) and may vary in other countries. Please refer to the respective Safety Data Sheet for your country.

Packaging
Polyethylene cans or Mauser containers. Alternative packaging on request.

OTHER INFORMATION

Further Related Documents
Safety Data Sheet