

## TECHNICAL DATA SHEET

Date of Issue: 2021/07/22

# Cesium Bromide, purity min. 99.999 %, superdry

CAS-No. 7787-69-1

EC-No. 232-130-0

Molecular formula CsBr

Product number 10000326

### APPLICATION

Cesium bromide is a highest purity product particularly used for scintillation purposes, e.g. in medical imaging.

### PURITY

min. 99.999%

### SPECIFICATION

Li	max. 0.2 ppm
Na	max. 0.1 ppm
K	max. 0.5 ppm
Rb	max. 0.5 ppm
Ca	max. 0.1 ppm
Mg	max. 0.1 ppm
Sr	max. 0.1 ppm
Ba	max. 0.5 ppm
Al	max. 0.1 ppm
Fe	max. 0.1 ppm

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Albemarle Corporation and its subsidiaries and affiliates. It is the responsibility of the user to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider any health or safety hazards or information contained herein only as a guide, and should take those precautions which are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein materials or processes in violation of existing or future patent.

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Cr	max. 0.1 ppm
Mn	max. 0.1 ppm
SO4	max. 5 ppm
SiO2	max. 2 ppm
Zn	max. 1 ppm
Ni	max. 0.1 ppm
Pb	max. 1 ppm
Cu	max. 0.5 ppm
Co	max. 0.5 ppm
Tl	max. 1 ppm
NO3	max. 5 ppm
Cl	max. 10 ppm
F	max. 10 ppm
I total	max. 10 ppm
insolubles	max. 25 ppm
weight loss (200 °C)	max. 0.01 %

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If any of these values is critical to your application, please let us know.

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## PHYSICAL PROPERTIES

Appearance	powder
Colour	white
Melting point/range	636 °C
Boiling point/boiling range	1,300 °C
Density	ca. 4.44 g/cm <sup>3</sup> at 20 °C
Bulk density	2,500 - 3,200 kg/m <sup>3</sup>
Water solubility	ca. 1,230 g/l at 25 °C

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Molecular weight 212.81 g/mol

Additional Physical Properties Tendency to agglomeration

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## HANDLING & STORAGE

Storage Cesium bromide is hygroscopic and should thus be stored in tightly closed containers under exclusion of moisture.

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## TRANSPORT & PACKAGING

ADR

Not regulated as a dangerous good

Hazard pictograms



Signal word Warning

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 bottles or bags with aluminium barrier in drums (fiber drums, clamping ring drums, steel drums, steel drums with polypropylene inner lining). The aluminium barrier prevents diffusion of moisture into the product. Alternative packaging on request. Smaller units available at surcharge.

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## OTHER INFORMATION

Further Related Documents          Safety Data Sheet

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