

# TECHNICAL DATA SHEET

Date of Issue: 2016/08/24

## Cesium Bromide, purity min. 99.999 %, superdry

CAS-No. 7787-69-1

EC-No. 232-130-0

Molecular Formula CsBr

Product Number 424027

### 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

Cr max. 0.1 ppm

Mn max. 0.1 ppm

SO<sub>4</sub> max. 5 ppm

SiO<sub>2</sub> max. 2 ppm

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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
NO <sub>3</sub>	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 %

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

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## PHYSICAL PROPERTIES

Appearance	powder
Color	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
Molecular weight	212.81 g/mol
Additional Physical Properties	Tendency to agglomeration

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## HANDLING & STORAGE

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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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