



Cesium Bromide

99.999

Formula	CsBr
Purity	min. 99.999% (metal base)
Product number	424026
CAS-No.	[7787-69-1]
Appearance	colourless, crystalline and hygroscopic substance, tendency to agglomeration
Formula weight	212.81
Density	4.43 g/cm ³
Solubility	123 g in 100 g H ₂ O at 25°C
Melting point	636°C

Chemical analysis

Li	max.	0.2 ppm	Pb	max.	1 ppm
Na	max.	0.1 ppm	Cu	max.	0.5 ppm
K	max.	0.5 ppm	Co	max.	0.5 ppm
Rb	max.	0.5 ppm	Tl	max.	1 ppm
Ca	max.	0.1 ppm	NO ₃	max.	5 ppm
Mg	max.	0.1 ppm	Cl	max.	10 ppm
Sr	max.	0.1 ppm	F	max.	10 ppm
Ba	max.	0.5 ppm	I total	max.	10 ppm
Al	max.	0.1 ppm	insolubles	max.	25 ppm
Fe	max.	0.1 ppm	weight loss	max.	0.1 %
Cr	max.	0.1 ppm	(500°C)		
Mn	max.	0.1 ppm			
SO ₄	max.	5 ppm			
SiO ₂	max.	2 ppm			
Zn	max.	1 ppm			
Ni	max.	0.1 ppm			

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

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Applications	Cesium bromide is a highest purity product particularly used for scintillation purposes, e.g. in medical imaging
Safety and handling	Cesium bromide is hygroscopic and should thus be stored in tightly closed containers under exclusion of moisture.
Packaging	Polyethylene bottles or bags with aluminium barrier in drums (fibre drums, clamping ring drums, steel drums, steel drums with polypropylene inner lining). The aluminium barrier prevents diffusion of moisture into the product. Alternative packing on request. Smaller units available at surcharge.
Transport classification	Please refer to the safety datasheet of this product.
Cesium product range	acetate aluminium fluoride bicarbonate bromide carbonate chloride fluoride hydrogen carbonate hydroxide, aqueous solution or monohydrate iodide metal nitrate sulfate <i>available in various grades, other products on request</i>