



Cesium Chloride

99.99

Formula	CsCl
Purity	min. 99.99% (metal base)
Product number	425031
CAS-No.	[7647-17-8]
Appearance	colourless, crystalline and hygroscopic substance
Formula weight	168.36
Density	3.988 g/cm ³
Solubility	191 g in 100 g H ₂ O at 25°C
Melting point	645°C

Chemical analysis	Li	max.	1 ppm
	Na	max.	10 ppm
	K	max.	15 ppm
	Rb	max.	30 ppm
	Ca	max.	5 ppm
	Mg	max.	2 ppm
	Sr	max.	5 ppm
	Ba	max.	10 ppm
	Al	max.	1 ppm
	Fe	max.	1 ppm
	Cr	max.	1 ppm
	Mn	max.	1 ppm
	SO ₄	max.	10 ppm
	SiO ₂	max.	5 ppm
	Pb	max.	5 ppm
	Ni	max.	5 ppm
	insolubles	max.	25 ppm

Deliveries are accompanied by a lot specific certificate of analysis. If any of these values is critical to your application, please let us know.

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Applications	Cesium chloride is used in organic synthesis and in titanium dioxide manufacturing processes.
Safety and handling	Cesium chloride is hygroscopic and should thus be stored in tightly closed containers under exclusion of moisture.
Packaging	Polyethylene bottles or bags in drums (fibre drums, clamping ring drums, steel drums, steel drums with polypropylene inner lining). Alternative packing on request. Smaller units are 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>