



Cesium Chloride technical

Product number :	426032
CAS-No. :	[7647-17-8]
Appearance :	colourless, crystalline and hygroscopic powder
Formula :	CsCl
Formula weight :	168.36
Cesium content :	78.94 % (theoretical)
Specific gravity :	3.983 g/cm ³
Bulk density :	2.0 kg/l
Melting point :	642°C
Solubility :	186 g CsCl in 100 g H ₂ O at 20°C

Chemical analysis

Li	max.	5 ppm
Na	max.	50 ppm
K	max.	50 ppm
Rb	max.	200 ppm
Ca	max.	10 ppm
Mg	max.	5 ppm
Sr	max.	5 ppm
Ba	max.	20 ppm
Al	max.	5 ppm
Fe	max.	1 ppm
Cr	max.	1 ppm
Mn	max.	1 ppm
SO ₄	max.	50 ppm
SiO ₂	max.	20 ppm
Pb	max.	5 ppm
Ni	max.	5 ppm
insolubles	max.	50 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 therefore 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>