



Cesium Hydrogen Carbonate (Cesium Bicarbonate) highest purity

Product number :	424016
CAS-No. :	[15519-28-5]
Appearance :	hygroscopic and lumpy material
Formula :	CsHCO ₃
Formula weight :	193.92
Cesium content :	68.54 % (theoretical)
Bulk density :	approx. 1.4 kg/l
Solubility :	209 g in 100 g H ₂ O at 15°C
Stability :	onset of decomposition at approx. 30°C

Chemical analysis

Li	max.	0.5 ppm
Na	max.	5 ppm
K	max.	5 ppm
Rb	max.	5 ppm
Ca	max.	0.5 ppm
Mg	max.	0.5 ppm
Ba	max.	15 ppm
Sr	max.	1 ppm
Al	max.	0.5 ppm
Fe	max.	1 ppm
Cr	max.	0.5 ppm
P ₂ O ₅	max.	0.5 ppm
SO ₄	max.	5 ppm
Cl	max.	10 ppm
NO ₃	max.	5 ppm
SiO ₂	max	3 ppm
Pb	max	5 ppm
Cu	max	1 ppm
Zn	max	1 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 hydrogen carbonate is used as a base in organic reactions.
Safety and handling	The material is less hygroscopic than cesium carbonate. Contact to skin and eyes or ingestion will cause serious caustic burns.
Packaging	PE 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 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>