



Cesium Carbonate

99.9

50% solution in water

Formula	Cs ₂ CO ₃
Purity	min. 99.9% (dry salt, metal base)
Concentration	50-52 % by weight
Product number	423511
CAS-No.	[534-17-8]
Formula weight	325.82
Appearance	colourless solution, may contain a slight haze
Density	1.70-1.74 g/cm ³

Chemical analysis

Li	max.	5 ppm
Na	max.	100 ppm
K	max.	200 ppm
Rb	max.	200 ppm
Ca	max.	5 ppm
Mg	max.	2 ppm
Ba	max.	30 ppm
Sr	max.	5 ppm
Al	max.	10 ppm
Fe	max.	3 ppm
Cr	max.	2 ppm
P ₂ O ₅	max.	15 ppm
SO ₄	max.	50 ppm
Cl	max.	100 ppm
NO ₃	max.	25 ppm
SiO ₂	max.	40 ppm

Values are based on the dry salt. Due to the nature of the production process, small amounts of cesium will be present either as hydroxide or as bicarbonate.

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 carbonate is a versatile base in organic synthesis.
Safety and handling	Contact to skin and eyes or ingestion will cause serious caustic burns. Cesium carbonate solution should be stored in tightly closed containers.
Packaging	Polyethylene cans or Mauser containers. Alternative packing on request.
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>