



Cesium Hydroxide

50% solution in water

pure

Product number :	423507
CAS-No. :	[21351-79-1]
Appearance :	colourless solution
Formula :	CsOH
Formula weight :	149.91
Cesium content :	44.33 % (solution, theoretical)
Density of solution:	approx. 1.725 kg/l

Chemical analysis

Li	max.	1 ppm	Pb	max.	5 ppm
Na	max.	100 ppm	Cu	max.	0.5 ppm
K	max.	250 ppm	Zn	max.	1 ppm
Rb	max.	10 ppm	Mn	max.	1 ppm
Ca	max.	2 ppm	Hg	max.	1 ppm
Mg	max.	1 ppm	As	max.	10 ppm
Ba	max.	15 ppm	Ni	max.	0.5 ppm
Sr	max.	5 ppm			
Al	max.	5 ppm			
Fe	max.	1 ppm			
Cr	max.	1 ppm			
P ₂ O ₅	max.	5 ppm			
SO ₄	max.	25 ppm			
Cl	max.	100 ppm			
NO ₃	max.	10 ppm			
SiO ₂	max.	25 ppm			

Values are given on dry salt basis.

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 hydroxide solution is used in industrial catalysis. Cesium acts as a promoter e.g. in the production of polyols.
Safety and handling	Contact to skin and eyes or ingestion will cause serious caustic burns, as cesium hydroxide is an extremely strong base. Incompatible materials: acids, carbon dioxide (e.g. from air)
Packaging	PE bottles 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 monohydrate iodide metal nitrate sulfate <i>available in various grades, other products on request</i>