



Cesium Acetate pure

Product number	425055
CAS-No.	[3396-11-0]
Appearance	colourless, crystalline and hygroscopic powder
Formula	CsOOCCH ₃
Formula weight	191.95
Cesium content	69.24 % (theoretical)
Specific gravity	2.423 g/cm ³
Bulk density	approx. 1.3 kg/l
Melting point	194 °C (381.2°F)
Solubility	945.1 g in 100 g H ₂ O at - 2.5°C (27.5°F)

Chemical analysis

Li	max.	0.2 ppm
Na	max.	60 ppm
K	max.	100 ppm
Rb	max.	100 ppm
Ca	max.	10 ppm
Mg	max.	1 ppm
Sr	max.	5 ppm
Ba	max.	10 ppm
Al	max.	2 ppm
Fe	max.	1 ppm
Cr	max.	1 ppm
Mn	max.	1 ppm
SO ₄	max.	50 ppm
SiO ₂	max.	20 ppm
Cl	max.	100 ppm

If any of these values is critical to your application, please let us know. A highest purity product is available on request.

Cesium Acetate pure

Applications

Cesium acetate is useful in organic synthesis.

Yields in a Perkin reaction are for example 2- to 9-fold higher as compared to the classic sodium acetate route:
E. Koepp, F. Vögtle; Synthesis (1987) 177.

Safety and handling

Because of its hygroscopicity cesium acetate should be stored in tightly closed containers.

Handling in moist air should be avoided. The odour of acetic acid may occur.

Packaging

Polyethylene bottles or polyethylene bags in drums (fibre drums, clamping ring drums, steel drums, steel drums with polypropylene inner lining). Alternative packing on request. Smaller units 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

available in various grades, other products on request