



# Cesium Acetate

## 99.9

<b>Formula</b>	CsOOCCH <sub>3</sub>
<b>Purity</b>	min. 99.9% (metal base)
<b>Product number</b>	425055
<b>CAS-No.</b>	[3396-11-0]
<b>Appearance</b>	colourless, crystalline and hygroscopic substance
<b>Formula weight</b>	191.95
<b>Solubility</b>	1019 g in 100 g H <sub>2</sub> O at 21.5°C
<b>Melting point</b>	194 °C (381.2°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 <sub>4</sub>	max.	50 ppm
SiO <sub>2</sub>	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.

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<b>Applications</b>	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.
<b>Safety and handling</b>	Because of its hygroscopic character cesium acetate should be stored in tightly closed containers. Handling in moist air should be avoided.
<b>Packaging</b>	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.
<b>Transport classification</b>	Please refer to the safety datasheet of this product.
<b>Cesium product range</b>	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>