Cesium Acetate pure

Product number :	425055
CAS-No. :	[3396-11-0]
Appearance :	colourless, crystalline and hygroscopic powder
Assay :	min. 99.8 %
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_2O at - 2.5°C (27.5°F)
pH-Value :	n/a

Chemical analysis* :

in ppm

Li	max.	5
Na	max.	250
K	max.	150
Rb	max.	100
Mg	max.	5
Ca	max.	10
Sr	max.	5
Ba	max.	25
Al	max.	1
Fe	max.	1
Cr	max.	0.5
Mn	max.	1
P_2O_5	max.	5
SiO_2	max.	5
SO_4	max.	25
Cl	max.	1000

*** Should you consider any of these values to be critical, please let us know.**

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Applications :
Cesium acetate is useful in organic synthesis especially in Perkin-Synthesis.
Yields are 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 im moist air should be avoided. The odour of acetic acid may occur.

Packaging :
Polyethylene bottles or poly 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 :
n/a

Other cesium products :

Cesium metal
acetate
bicarbonate
bromide
carbonate
chloride
fluoride
hydrogen carbonate
hydroxide, aqueous solution or monohydrate
iodide
nitrate
oxalate
sulphate

Other grades and / or products on request

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