

Cellulose Nanocrystal Powder Certified Reference Material

Art. ID	NRC-CNC-1
Unit	1 g
Deliverydetails	No Dangerous Good /not restricted

Description

This Certified Reference Material is intended primarily for use in the validation of procedures and development of methods for the determination of trace metals in cellulosic nanomaterials or those of a similar matrix. A unit of CNC-1 CRM consists of a bottle containing approximately 1 g of spray-dried cellulose nanocrystals.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Arsenic (As)	[7440-38-2]	0,035	mg/kg		
	Cadmium (Cd)	[7440-43-9]	0,009 ± 0,003	mg/kg		
	Chromium (Cr)	[7440-47-3]	0,79 ± 0,09	mg/kg		
	Copper (Cu)	[7440-50-8]	0,481 ± 0,059	mg/kg		
	Iron (Fe)	[7439-89-6]	20,8 ± 2,5	mg/kg		
	Mercury (Hg)	[7439-97-6]	0,01 ± 0,007	mg/kg		
	Nickel (Ni)	[7440-02-0]	4,51 ± 0,25	mg/kg		
	Lead (Pb)	[7439-92-1]	0,919 ± 0,067	mg/kg		