

## **Cellulose Nanocrystal Suspension Certified Reference Material**

Art. ID	NRC-CNCS-1
Unit	25 mL
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 NRC-CRM CNCS-1 consists of a bottle containing approximately 25 mL of a stable aqueous suspension of cellulose nanocrystals at a mass fraction of  $67,9 \pm 0,3$  mg/g.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Arsenic (As)	[7440-38-2]	<0,002	mg/kg		
	Cadmium (Cd)	[7440-43-9]	$0,0022 \pm 0,0021$	mg/kg		
	Chromium (Cr)	[7440-47-3]	$0,048 \pm 0,012$	mg/kg		
	Copper (Cu)	[7440-50-8]	$0,017 \pm 0,002$	mg/kg		
	Iron (Fe)	[7439-89-6]	$0,224 \pm 0,075$	mg/kg		
	Mercury (Hg)	[7439-97-6]	<0,002	mg/kg		
	Nickel (Ni)	[7440-02-0]	$0,261 \pm 0,032$	mg/kg		
	Lead (Pb)	[7439-92-1]	$0,007 \pm 0,002$	mg/kg		