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Trace Elements in Glass

Art. ID	NIST-613
Unit	4 wafer
Deliverydetails	No Dangerous Good /not restricted

Description

This Standard Reference Material (SRM®) is intended to facilitate development of chemical methods of analysis for trace elements in glass. The nominal mass fractions of 61 elements added to the glass matrix are in the range of 10 mg/kg to 80 mg/kg. A unit of NIST-613 consists of four wafers, sliced to 1 mm thickness from a hand-pulled rod. The wafers are of oval to circular cross-section with nominal diameter of 12 mm to 14 mm. Certified values /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Antimony (Sb)	[7440-36-0]	34,9 ± 2,2	mg/kg		
	Arsenic (As)	[7440-38-2]	37,4 ± 2,2	mg/kg		
	Barium (Ba)	[7440-39-3]	38,6 ± 2,6	mg/kg		
	Cadmium (Cd)	[7440-43-9]	29,9 ± 4,2	mg/kg		
	Chromium (Cr)	[7440-47-3]	35,0 ± 3,3	mg/kg		
	Iron (Fe)	[7439-89-6]	51 ± 2	mg/kg		
	Lead (Pb)	[7439-92-1]	38,57 ± 0,2	mg/kg		
	Manganese (Mn)	[7439-96-5]	37,7 ± 3,8	mg/kg		
	Nickel (Ni)	[7440-02-0]	38,8 ± 0,2	mg/kg		
	Rubidium (Rb)	[7440-17-7]	31,4 ± 0,4	mg/kg		
	Selenium (Se)	[7782-49-2]	16,1 ± 1,6	mg/kg		
	Silver (Ag)	[7440-22-4]	22,0 ± 0,3	mg/kg		
	Strontium (Sr)	[7440-24-6]	78,4 ± 0,2	mg/kg		
	Thorium (Th)	[7440-29-1]	37,79 ± 0,08	mg/kg		
	Uranium (U)	[7440-61-1]	37,38 ± 0,08	mg/kg		