

Bauxite Nano-Pellet, pressed pellet, diameter 10 mm (Standard for solid-state microanalysis)

Art. ID MY-BX-N-NP-LA-ICP-MS-10MM
Unit each (pressed pellet)
Deliverydetails No Dangerous Good /not restricted

Description

Pellet for LA-ICP-MS application /// The principle behind LA-ICP-MS (Laser Ablation - Inductively Coupled Plasma - Mass Spectrometry) involves a laser beam removing (ablating) material from a sample and analysing its chemical composition in a mass spectrometer

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Na ₂ O		0,04 ± 0,02	g/100g		
	MgO	[1309-48-4]	0,11 ± 0,03	g/100g		
	Al ₂ O ₃		54,21 ± 0,4	g/100g		
	SiO ₂		7,4 ± 0,15	g/100g		
	P ₂ O ₅		0,13 ± 0,03	g/100g		
	K ₂ O		0,05 ± 0,01	g/100g		
	CaO		0,17 ± 0,05	g/100g		
	TiO ₂		2,37 ± 0,09	g/100g		
	MnO		0,05 ± 0,009	g/100g		
	Fe ₂ O ₃ (T)		23,17 ± 0,28	g/100g		
	Lithium (Li)	[7439-93-2]	39 ± 9	µg/g		
	Beryllium (Be)	[7440-41-7]	5,5 ± 0,6	µg/g		
	Scandium (Sc)	[7440-20-2]	60 ± 7	µg/g		
	Vanadium (V)	[7440-62-2]	350 ± 44	µg/g		
	Chromium (Cr)	[7440-47-3]	280 ± 31	µg/g		
	Cobalt (Co)	[7440-48-4]	30 ± 7	µg/g		
	Nickel (Ni)	[7440-02-0]	180 ± 16	µg/g		
	Copper (Cu)	[7440-50-8]	18 ± 2	µg/g		
	Zinc (Zn)	[7440-66-6]	80 ± 15	µg/g		
	Gallium (Ga)	[7440-55-3]	67 ± 14	µg/g		
	Arsenic (As)	[7440-38-2]	115 ± 6	µg/g		
	Rubidium (Rb)	[7440-17-7]	3,6 ± 0,6	µg/g		
	Strontium (Sr)	[7440-24-6]	110 ± 9	µg/g		
	Yttrium (Y)	[7440-65-5]	114 ± 14	µg/g		
	Zirconium (Zr)	[7440-67-7]	550 ± 44	µg/g		
	Niobium (Nb)	[7440-03-1]	52 ± 4	µg/g		
	Molybdenum (Mo)	[7439-98-7]	8,3 ± 0,7	µg/g		

Tin (Sn)	[7440-31-5]	13,4 ± 1,1	µg/g
Barium (Ba)	[7440-39-3]	30 ± 9	µg/g
Lanthanum (La)	[7439-91-0]	355 ± 18	µg/g
Cerium (Ce)	[7440-45-1]	520 ± 23	µg/g
Neodymium (Nd)	[7440-00-8]	163 ± 7	µg/g
Samarium (Sm)	[7440-19-9]	22 ± 1,3	µg/g
Europium (Eu)	[7440-53-1]	4,4 ± 0,3	µg/g
Gadolinium (Gd)	[7440-54-2]	20 ± 1,6	µg/g
Terbium (Tb)	[7440-27-9]	3 ± 0,3	µg/g
Ytterbium (Yb)	[7440-64-4]	11,6 ± 1,5	µg/g
Lutetium (Lu)	[7439-94-3]	1,8 ± 0,18	µg/g
Hafnium (Hf)	[7440-58-6]	15,2 ± 1,1	µg/g
Tantalum (Ta)	[7440-25-7]	4,6 ± 0,4	µg/g
Lead (Pb)	[7439-92-1]	135 ± 13	µg/g
Thorium (Th)	[7440-29-1]	50 ± 6	µg/g
Uranium (U)	[7440-61-1]	8,8 ± 1,5	µg/g