

Ball Clay Nano-Pellet, pressed pellet, diameter 13 mm (Standard for solid-state microanalysis)

Art. ID MY-DBC-1-NP-LA-ICP-MS-13MM
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
	MgO	[1309-48-4]	0,36 ± 0,01	g/100g		
	Al ₂ O ₃		31,82 ± 0,12	g/100g		
	SiO ₂		51,98 ± 0,14	g/100g		
	P ₂ O ₅		0,071 ± 0,002	g/100g		
	K ₂ O		2,64 ± 0,02	g/100g		
	TiO ₂		1,123 ± 0.009	g/100g		
	Fe ₂ O ₃ (T)		0,94 ± 0,01	g/100g		
	Lithium (Li)	[7439-93-2]	135 ± 4	µg/g		
	Beryllium (Be)	[7440-41-7]	3,88 ± 0,16	µg/g		
	Scandium (Sc)	[7440-20-2]	17,3 ± 0,7	µg/g		
	Vanadium (V)	[7440-62-2]	138 ± 3	µg/g		
	Chromium (Cr)	[7440-47-3]	105 ± 4	µg/g		
	Nickel (Ni)	[7440-02-0]	24 ± 0,7	µg/g		
	Gallium (Ga)	[7440-55-3]	53,3 ± 1,3	µg/g		
	Rubidium (Rb)	[7440-17-7]	194 ± 3	µg/g		
	Strontium (Sr)	[7440-24-6]	134 ± 2	µg/g		
	Yttrium (Y)	[7440-65-5]	26,4 ± 1,1	µg/g		
	Zirconium (Zr)	[7440-67-7]	183 ± 4	µg/g		
	Niobium (Nb)	[7440-03-1]	25,8 ± 0,6	µg/g		
	Molybdenum (Mo)	[7439-98-7]	2,5 ± 0,1	µg/g		
	Caesium (Cs)	[7440-46-2]	64 ± 1,4	µg/g		
	Barium (Ba)	[7440-39-3]	476 ± 10	µg/g		
	Lanthanum (La)	[7439-91-0]	64,4 ± 1,7	µg/g		
	Cerium (Ce)	[7440-45-1]	120 ± 3	µg/g		
	Praseodymium (Pr)	[7440-10-0]	14,2 ± 0,4	µg/g		
	Neodymium (Nd)	[7440-00-8]	51,7 ± 1	µg/g		
	Samarium (Sm)	[7440-19-9]	9,53 ± 0,23	µg/g		

Europium (Eu)	[7440-53-1]	1,77 ± 0,06	µg/g
Gadolinium (Gd)	[7440-54-2]	7,23 ± 0,31	µg/g
Terbium (Tb)	[7440-27-9]	1,01 ± 0,04	µg/g
Dysprosium (Dy)	[7429-91-6]	5,52 ± 0,2	µg/g
Holmium (Ho)	[7440-60-0]	0,97 ± 0,06	µg/g
Thulium (Tm)	[7440-30-4]	0,411 ± 0,023	µg/g
Ytterbium (Yb)	[7440-64-4]	2,91 ± 0,09	µg/g
Lutetium (Lu)	[7439-94-3]	0,43 ± 0,022	µg/g
Hafnium (Hf)	[7440-58-6]	5 ± 0,3	µg/g
Tantalum (Ta)	[7440-25-7]	2,63 ± 0,17	µg/g
Thallium (Tl)	[7440-28-0]	1,35 ± 0,08	µg/g
Lead (Pb)	[7439-92-1]	53,5 ± 1,3	µg/g
Thorium (Th)	[7440-29-1]	18,3 ± 0,8	µg/g
Uranium (U)	[7440-61-1]	6,18 ± 0,18	µg/g