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

Art. ID	MY-UB-N-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
	Na2O		0,1 ± 0,04	g/100g		
	MgO	[1309-48-4]	35,21 ± 0,18	g/100g		
	Al2O3		2,9 ± 0,08	g/100g		
	SiO2		39,43 ± 0,15	g/100g		
	P2O5		0,04 ± 0,02	g/100g		
	K2O		0,02 ± 0,01	g/100g		
	CaO		1,2 ± 0,03	g/100g		
	TiO2		0,11 ± 0,01	g/100g		
	MnO		0,12 ± 0,01	g/100g		
	Fe2O3(T)		8,34 ± 0,1	g/100g		
	Lithium (Li)	[7439-93-2]	27 ± 3	µg/g		
	Boron (B)	[7440-42-8]	140 ± 12	µg/g		
	Chlorine (Cl)	[7782-50-5]	800 ± 200	µg/g		
	Scandium (Sc)	[7440-20-2]	13 ± 0,7	µg/g		
	Vanadium (V)	[7440-62-2]	75 ± 9	µg/g		
	Chromium (Cr)	[7440-47-3]	2300 ± 100	µg/g		
	Cobalt (Co)	[7440-48-4]	100 ± 12	µg/g		
	Nickel (Ni)	[7440-02-0]	2000 ± 80	µg/g		
	Copper (Cu)	[7440-50-8]	28 ± 3	µg/g		
	Zinc (Zn)	[7440-66-6]	85 ± 7	µg/g		
	Gallium (Ga)	[7440-55-3]	3 ± 0,5	µg/g		
	Arsenic (As)	[7440-38-2]	10 ± 2	µg/g		
	Rubidium (Rb)	[7440-17-7]	4 ± 2	µg/g		
	Strontium (Sr)	[7440-24-6]	9 ± 1,85	µg/g		
	Yttrium (Y)	[7440-65-5]	2,5 ± 0,2	µg/g		
	Zirconium (Zr)	[7440-67-7]	4 ± 1	µg/g		
	Molybdenum (Mo)	[7439-98-7]	0,55 ± 0,1	µg/g		

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	Caesium (Cs)	[7440-46-2]	10 ± 0,9	µg/g
	Barium (Ba)	[7440-39-3]	27 ± 3	µg/g
	Lanthanum (La)	[7439-91-0]	0,35 ± 0,07	µg/g
	Cerium (Ce)	[7440-45-1]	0,8 ± 0,1	µg/g
	Praseodymium (Pr)	[7440-10-0]	0,12 ± 0,01	µg/g
	Neodymium (Nd)	[7440-00-8]	0,6 ± 0,04	µg/g
	Samarium (Sm)	[7440-19-9]	0,2 ± 0,01	µg/g
	Europium (Eu)	[7440-53-1]	0,08 ± 0,01	µg/g
	Gadolinium (Gd)	[7440-54-2]	0,3 ± 0,03	µg/g
	Terbium (Tb)	[7440-27-9]	0,06 ± 0,01	µg/g
	Dysprosium (Dy)	[7429-91-6]	0,38 ± 0,03	µg/g
	Holmium (Ho)	[7440-60-0]	0,09 ± 0,01	µg/g
	Erbium (Er)	[7440-52-0]	0,28 ± 0,02	µg/g
	Thulium (Tm)	[7440-30-4]	0,045 ± 0,01	µg/g
	Ytterbium (Yb)	[7440-64-4]	0,28 ± 0,02	µg/g
	Lutetium (Lu)	[7439-94-3]	0,045 ± 0,005	µg/g
	Tantalum (Ta)	[7440-25-7]	0,02 ± 0,005	µg/g
	Tungsten (W)	[7440-33-7]	20 ± 7	µg/g
	Lead (Pb)	[7439-92-1]	13 ± 3	µg/g