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

Art. ID	MY-SdAR-H1-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]	1,53 ± 0,02	g/100g		
	Al2O3		11,83 ± 0,08	g/100g		
	SiO2		65,45 ± 0,22	g/100g		
	P2O5		0,185 ± 0,003	g/100g		
	K2O		4,17 ± 0,03	g/100g		
	CaO		1,46 ± 0,01	g/100g		
	TiO2		0,56 ± 0,005	g/100g		
	MnO		0,515 ± 0,007	g/100g		
	Fe2O3(T)		6,45 ± 0,05	g/100g		
	Lithium (Li)	[7439-93-2]	50,5 ± 2,5	µg/g		
	Scandium (Sc)	[7440-20-2]	8,2 ± 0,3	µg/g		
	Vanadium (V)	[7440-62-2]	73,2 ± 2,1	µg/g		
	Cobalt (Co)	[7440-48-4]	55,6 ± 1,7	µg/g		
	Nickel (Ni)	[7440-02-0]	234 ± 8	µg/g		
	Copper (Cu)	[7440-50-8]	1170 ± 12	µg/g		
	Zinc (Zn)	[7440-66-6]	3725 ± 60	µg/g		
	Gallium (Ga)	[7440-55-3]	15,6 ± 0,7	µg/g		
	Rubidium (Rb)	[7440-17-7]	154 ± 3	µg/g		
	Strontium (Sr)	[7440-24-6]	182 ± 3	µg/g		
	Zirconium (Zr)	[7440-67-7]	262 ± 3	µg/g		
	Caesium (Cs)	[7440-46-2]	4,78 ± 0,24	µg/g		
	Barium (Ba)	[7440-39-3]	866 ± 15	µg/g		
	Lanthanum (La)	[7439-91-0]	44,9 ± 1,3	µg/g		
	Cerium (Ce)	[7440-45-1]	89 ± 3	µg/g		
	Praseodymium (Pr)	[7440-10-0]	10 ± 0,3	µg/g		
	Neodymium (Nd)	[7440-00-8]	36,2 ± 1,2	µg/g		
	Samarium (Sm)	[7440-19-9]	6,42 ± 0,13	µg/g		

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	Europium (Eu)	[7440-53-1]	1,25 ± 0,05	µg/g
	Gadolinium (Gd)	[7440-54-2]	5,35 ± 0,25	µg/g
	Terbium (Tb)	[7440-27-9]	0,78 ± 0,03	µg/g
	Dysprosium (Dy)	[7429-91-6]	4,5 ± 0,21	µg/g
	Holmium (Ho)	[7440-60-0]	0,91 ± 0,05	µg/g
	Erbium (Er)	[7440-52-0]	2,67 ± 0,11	µg/g
	Thulium (Tm)	[7440-30-4]	0,405 ± 0,014	µg/g
	Ytterbium (Yb)	[7440-64-4]	2,66 ± 0,02	µg/g
	Lutetium (Lu)	[7439-94-3]	0,41 ± 0,02	µg/g
	Tantalum (Ta)	[7440-25-7]	1,41 ± 0,08	µg/g
	Thallium (Tl)	[7440-28-0]	11,1 ± 0,7	µg/g
	Lead (Pb)	[7439-92-1]	3895 ± 75	µg/g