

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

Art. ID MY-SdAR-L2-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 <sub>2</sub> O		2,66 ± 0,03	g/100g		
	Al <sub>2</sub> O <sub>3</sub>		11,58 ± 0,05	g/100g		
	SiO <sub>2</sub>		74,48 ± 0,13	g/100g		
	P <sub>2</sub> O <sub>5</sub>		0,08 ± 0,002	g/100g		
	K <sub>2</sub> O		4,1 ± 0,02	g/100g		
	CaO		1,06 ± 0,01	g/100g		
	TiO <sub>2</sub>		0,62 ± 0,004	g/100g		
	MnO		0,099 ± 0,002	g/100g		
	Fe <sub>2</sub> O <sub>3</sub> (T)		3,64 ± 0,02	g/100g		
	Lithium (Li)	[7439-93-2]	11,8 ± 0,6	µg/g		
	Beryllium (Be)	[7440-41-7]	3,38 ± 0,13	µg/g		
	Scandium (Sc)	[7440-20-2]	5,6 ± 0,3	µg/g		
	Vanadium (V)	[7440-62-2]	35 ± 0,9	µg/g		
	Chromium (Cr)	[7440-47-3]	26 ± 2	µg/g		
	Cobalt (Co)	[7440-48-4]	5,4 ± 0,2	µg/g		
	Nickel (Ni)	[7440-02-0]	14,3 ± 0,9	µg/g		
	Copper (Cu)	[7440-50-8]	50,8 ± 1,1	µg/g		
	Zinc (Zn)	[7440-66-6]	201 ± 3	µg/g		
	Rubidium (Rb)	[7440-17-7]	120 ± 2	µg/g		
	Strontium (Sr)	[7440-24-6]	150 ± 2	µg/g		
	Yttrium (Y)	[7440-65-5]	55,5 ± 2	µg/g		
	Zirconium (Zr)	[7440-67-7]	626 ± 14	µg/g		
	Molybdenum (Mo)	[7439-98-7]	3,7 ± 0,2	µg/g		
	Antimony (Sb)	[7440-36-0]	21,8 ± 0,8	µg/g		
	Caesium (Cs)	[7440-46-2]	1,14 ± 0,04	µg/g		
	Lanthanum (La)	[7439-91-0]	67,9 ± 1,4	µg/g		
	Praseodymium (Pr)	[7440-10-0]	16,2 ± 0,4	µg/g		

Neodymium (Nd)	[7440-00-8]	60,3 ± 1,5	µg/g
Samarium (Sm)	[7440-19-9]	11,5 ± 0,3	µg/g
Europium (Eu)	[7440-53-1]	1,43 ± 0,06	µg/g
Gadolinium (Gd)	[7440-54-2]	9,73 ± 0,22	µg/g
Terbium (Tb)	[7440-27-9]	1,58 ± 0,07	µg/g
Dysprosium (Dy)	[7429-91-6]	10 ± 0,3	µg/g
Holmium (Ho)	[7440-60-0]	2,12 ± 0,09	µg/g
Erbium (Er)	[7440-52-0]	6,19 ± 0,55	µg/g
Thulium (Tm)	[7440-30-4]	0,95 ± 0,03	µg/g
Ytterbium (Yb)	[7440-64-4]	6,24 ± 0,13	µg/g
Lutetium (Lu)	[7439-94-3]	0,945 ± 0,021	µg/g
Tantalum (Ta)	[7440-25-7]	3,81 ± 0,22	µg/g
Thallium (Tl)	[7440-28-0]	0,99 ± 0,05	µg/g
Lead (Pb)	[7439-92-1]	183 ± 4	µg/g
Bismuth (Bi)	[7440-69-9]	0,26 ± 0,02	µg/g
Thorium (Th)	[7440-29-1]	22 ± 0,7	µg/g
Uranium (U)	[7440-61-1]	3,34 ± 0,12	µg/g