

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

Art. ID MY-SPLT-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
	Calcium (Ca)	[7440-70-2]	38 ± 1	g/100g		
	Lithium (Li)	[7439-93-2]	3,5 ± 1	µg/g		
	7H-Benzo(c)fluorene	[205-12-9]	49,2 ± 7,9	µg/g		
	Sodium (Na)	[7440-23-5]	369 ± 19	µg/g		
	Magnesium (Mg)	[7439-95-4]	5932 ± 259	µg/g		
	Aluminium (Al)	[7429-90-5]	2244 ± 126	µg/g		
	Silicon (Si)	[7440-21-3]	10013 ± 597	µg/g		
	Phosphorus (P)	[7723-14-0]	127 ± 7	µg/g		
	Potassium (K)	[7440-09-7]	478 ± 32	µg/g		
	Chromium (Cr)	[7440-47-3]	4,74 ± 1,72	µg/g		
	Iron (Fe)	[7439-89-6]	1941 ± 101	µg/g		
	Cobalt (Co)	[7440-48-4]	0,74 ± 0,07	µg/g		
	Nickel (Ni)	[7440-02-0]	3,32 ± 0,58	µg/g		
	Copper (Cu)	[7440-50-8]	25,4 ± 3,4	µg/g		
	Zinc (Zn)	[7440-66-6]	24,4 ± 4,2	µg/g		
	Gallium (Ga)	[7440-55-3]	0,64 ± 0,05	µg/g		
	Rubidium (Rb)	[7440-17-7]	3,17 ± 0,18	µg/g		
	Strontium (Sr)	[7440-24-6]	738 ± 23	µg/g		
	Yttrium (Y)	[7440-65-5]	10,1 ± 1	µg/g		
	Caesium (Cs)	[7440-46-2]	0,46 ± 0,06	µg/g		
	Barium (Ba)	[7440-39-3]	31,5 ± 1,8	µg/g		
	Lanthanum (La)	[7439-91-0]	6,36 ± 0,33	µg/g		
	Cerium (Ce)	[7440-45-1]	2,54 ± 0,4	µg/g		
	Praseodymium (Pr)	[7440-10-0]	1,33 ± 0,08	µg/g		
	Neodymium (Nd)	[7440-00-8]	5,2 ± 0,5	µg/g		
	Samarium (Sm)	[7440-19-9]	0,99 ± 0,09	µg/g		
	Europium (Eu)	[7440-53-1]	0,22 ± 0,02	µg/g		

Gadolinium (Gd)	[7440-54-2]	1,05 ± 0,09	µg/g
Terbium (Tb)	[7440-27-9]	0,14 ± 0,01	µg/g
Dysprosium (Dy)	[7429-91-6]	0,91 ± 0,09	µg/g
Erbium (Er)	[7440-52-0]	0,53 ± 0,04	µg/g
Thulium (Tm)	[7440-30-4]	0,058 ± 0,009	µg/g
Ytterbium (Yb)	[7440-64-4]	0,4 ± 0,04	µg/g
Lutetium (Lu)	[7439-94-3]	0,05 ± 0,01	µg/g
Lead (Pb)	[7439-92-1]	3,83 ± 0,95	µg/g
Thorium (Th)	[7440-29-1]	0,32 ± 0,06	µg/g
Uranium (U)	[7440-61-1]	0,53 ± 0,1	µg/g