

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

Art. ID MY-W-2a-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 ₂ O		2,196 ± 0,028	g/100g		
	MgO	[1309-48-4]	6,431 ± 0,045	g/100g		
	Al ₂ O ₃		15,38 ± 0,09	g/100g		
	SiO ₂		52,57 ± 0,32	g/100g		
	P ₂ O ₅		0,1362 ± 0,0059	g/100g		
	K ₂ O		0,6242 ± 0,0076	g/100g		
	CaO		10,91 ± 0,03	g/100g		
	TiO ₂		1,064 ± 0,01	g/100g		
	MnO		0,1658 ± 0,0025	g/100g		
	Fe ₂ O ₃ (T)		10,8 ± 0,05	g/100g		
	Lithium (Li)	[7439-93-2]	9,21 ± 0,19	µg/g		
	Beryllium (Be)	[7440-41-7]	0,672 ± 0,048	µg/g		
	Scandium (Sc)	[7440-20-2]	35,86 ± 0,38	µg/g		
	Vanadium (V)	[7440-62-2]	265,8 ± 2,9	µg/g		
	Chromium (Cr)	[7440-47-3]	92 ± 1,6	µg/g		
	Cobalt (Co)	[7440-48-4]	44,37 ± 0,65	µg/g		
	Nickel (Ni)	[7440-02-0]	72 ± 1	µg/g		
	Copper (Cu)	[7440-50-8]	105,9 ± 1,5	µg/g		
	Zinc (Zn)	[7440-66-6]	77,7 ± 1,6	µg/g		
	Gallium (Ga)	[7440-55-3]	17,88 ± 0,31	µg/g		
	Germanium (Ge)	[7440-56-4]	1,589 ± 0,089	µg/g		
	Arsenic (As)	[7440-38-2]	1,07 ± 0,16	µg/g		
	Rubidium (Rb)	[7440-17-7]	20,23 ± 0,27	µg/g		
	Strontium (Sr)	[7440-24-6]	195,4 ± 1,6	µg/g		
	Yttrium (Y)	[7440-65-5]	21,82 ± 0,33	µg/g		
	Zirconium (Zr)	[7440-67-7]	93,3 ± 1,4	µg/g		
	Niobium (Nb)	[7440-03-1]	7,51 ± 0,15	µg/g		

Molybdenum (Mo)	[7439-98-7]	0,465 ± 0,03	µg/g
Cadmium (Cd)	[7440-43-9]	0,074 ± 0,014	µg/g
Tin (Sn)	[7440-31-5]	1,92 ± 0,12	µg/g
Antimony (Sb)	[7440-36-0]	0,809 ± 0,069	µg/g
Caesium (Cs)	[7440-46-2]	0,915 ± 0,016	µg/g
Barium (Ba)	[7440-39-3]	172,8 ± 1,9	µg/g
Lanthanum (La)	[7439-91-0]	10,63 ± 0,12	µg/g
Cerium (Ce)	[7440-45-1]	23,21 ± 0,17	µg/g
Praseodymium (Pr)	[7440-10-0]	3,018 ± 0,033	µg/g
Neodymium (Nd)	[7440-00-8]	13,09 ± 0,12	µg/g
Samarium (Sm)	[7440-19-9]	3,3 ± 0,13	µg/g
Europium (Eu)	[7440-53-1]	1,091 ± 0,011	µg/g
Gadolinium (Gd)	[7440-54-2]	3,713 ± 0,039	µg/g
Terbium (Tb)	[7440-27-9]	0,627 ± 0,0082	µg/g
Dysprosium (Dy)	[7429-91-6]	3,806 ± 0,029	µg/g
Holmium (Ho)	[7440-60-0]	0,7908 ± 0,0061	µg/g
Erbium (Er)	[7440-52-0]	2,208 ± 0,025	µg/g
Thulium (Tm)	[7440-30-4]	0,3315 ± 0,0064	µg/g
Ytterbium (Yb)	[7440-64-4]	2,054 ± 0,016	µg/g
Lutetium (Lu)	[7439-94-3]	0,309 ± 0,0034	µg/g
Hafnium (Hf)	[7440-58-6]	2,444 ± 0,041	µg/g
Tantalum (Ta)	[7440-25-7]	0,489 ± 0,014	µg/g
Thallium (Tl)	[7440-28-0]	0,104 ± 0,013	µg/g
Lead (Pb)	[7439-92-1]	7,83 ± 0,19	µg/g
Thorium (Th)	[7440-29-1]	2,179 ± 0,031	µg/g
Uranium (U)	[7440-61-1]	0,5048 ± 0,007	µg/g