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

Art. ID	MY-Mica-Fe-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		0,3 ± 0,05	g/100g		
	MgO	[1309-48-4]	4,55 ± 0,12	g/100g		
	Al2O3		19,5 ± 0,21	g/100g		
	SiO2		34,4 ± 0,21	g/100g		
	P2O5		0,45 ± 0,04	g/100g		
	K2O		8,75 ± 0,12	g/100g		
	CaO		0,43 ± 0,04	g/100g		
	TiO2		2,5 ± 0,07	g/100g		
	MnO		0,35 ± 0,015	g/100g		
	Fe2O3(T)		25,65 ± 0,27	g/100g		
	Lithium (Li)	[7439-93-2]	1200 ± 200	µg/g		
	Beryllium (Be)	[7440-41-7]	4,5 ± 0,5	µg/g		
	Fluorine (F)	[7782-41-4]	16000 ± 700	µg/g		
	Sulfur (S)	[7704-34-9]	236 ± 26	µg/g		
	Chlorine (Cl)	[7782-50-5]	500 ± 50	µg/g		
	Scandium (Sc)	[7440-20-2]	14,8 ± 2	µg/g		
	Vanadium (V)	[7440-62-2]	135 ± 20	µg/g		
	Chromium (Cr)	[7440-47-3]	90 ± 10	µg/g		
	Cobalt (Co)	[7440-48-4]	23 ± 2	µg/g		
	Nickel (Ni)	[7440-02-0]	35 ± 6	µg/g		
	Copper (Cu)	[7440-50-8]	5 ± 0,5	µg/g		
	Zinc (Zn)	[7440-66-6]	1300 ± 80	µg/g		
	Gallium (Ga)	[7440-55-3]	95 ± 8	µg/g		
	Arsenic (As)	[7440-38-2]	3 ± 0,4	µg/g		
	Rubidium (Rb)	[7440-17-7]	2200 ± 80	µg/g		
	Strontium (Sr)	[7440-24-6]	5 ± 1	µg/g		
	Yttrium (Y)	[7440-65-5]	48 ± 4	µg/g		

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	Zirconium (Zr)	[7440-67-7]	800 ± 25	µg/g
	Niobium (Nb)	[7440-03-1]	270 ± 15	µg/g
	Molybdenum (Mo)	[7439-98-7]	1,2 ± 0,2	µg/g
	Tin (Sn)	[7440-31-5]	70 ± 5	µg/g
	Caesium (Cs)	[7440-46-2]	180 ± 15	µg/g
	Barium (Ba)	[7440-39-3]	150 ± 10	µg/g
	Lanthanum (La)	[7439-91-0]	200 ± 10	µg/g
	Cerium (Ce)	[7440-45-1]	420 ± 20	µg/g
	Praseodymium (Pr)	[7440-10-0]	49 ± 3	µg/g
	Neodymium (Nd)	[7440-00-8]	180 ± 10	µg/g
	Samarium (Sm)	[7440-19-9]	33 ± 3	µg/g
	Europium (Eu)	[7440-53-1]	0,7 ± 0,1	µg/g
	Gadolinium (Gd)	[7440-54-2]	21 ± 1,5	µg/g
	Terbium (Tb)	[7440-27-9]	2,7 ± 0,2	µg/g
	Dysprosium (Dy)	[7429-91-6]	11 ± 0,6	µg/g
	Ytterbium (Yb)	[7440-64-4]	3,5 ± 0,3	µg/g
	Lutetium (Lu)	[7439-94-3]	0,5 ± 0,05	µg/g
	Hafnium (Hf)	[7440-58-6]	26 ± 1,5	µg/g
	Tantalum (Ta)	[7440-25-7]	35 ± 2	µg/g
	Tungsten (W)	[7440-33-7]	15 ± 1	µg/g
	Thallium (Tl)	[7440-28-0]	16 ± 2	µg/g
	Lead (Pb)	[7439-92-1]	13 ± 3	µg/g
	Bismuth (Bi)	[7440-69-9]	1,3 ± 0,01	µg/g
	Thorium (Th)	[7440-29-1]	150 ± 20	µg/g
	Uranium (U)	[7440-61-1]	80 ± 8	µg/g