

**Basaltic Pahoehoe Lava Nano-Pellet, pressed pellet diameter 20 mm (Standard for solid-state microanalysis)**

Art. ID MY-BHVO-2-NP-XRF-20MM  
Unit each (pressed pellet)  
Deliverydetails No Dangerous Good /not restricted

Description

Pellet for X-ray fluorescence spectroscopy application /// XRF-analysers employ x-rays to interact with the sample. The x-rays excite the elements within the sample causing element-specific x-ray fluorescence.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Na <sub>2</sub> O		2,219 ± 0,048	g/100g		
	MgO	[1309-48-4]	7,257 ± 0,042	g/100g		
	Al <sub>2</sub> O <sub>3</sub>		13,44 ± 0,06	g/100g		
	SiO <sub>2</sub>		49,6 ± 0,14	g/100g		
	P <sub>2</sub> O <sub>5</sub>		0,2685 ± 0,005	g/100g		
	K <sub>2</sub> O		0,513 ± 0,0037	g/100g		
	CaO		11,4 ± 0,06	g/100g		
	TiO <sub>2</sub>		2,731 ± 0,018	g/100g		
	MnO		0,169 ± 0,0019	g/100g		
	Fe <sub>2</sub> O <sub>3</sub> (T)		12,39 ± 0,09	g/100g		
	Lithium (Li)	[7439-93-2]	4,5 ± 0,085	g/100g		
	Beryllium (Be)	[7440-41-7]	1,076 ± 0,046	g/100g		
	Scandium (Sc)	[7440-20-2]	31,83 ± 0,34	g/100g		
	Vanadium (V)	[7440-62-2]	318,2 ± 2,3	g/100g		
	Chromium (Cr)	[7440-47-3]	287,2 ± 3,1	g/100g		
	Cobalt (Co)	[7440-48-4]	44,89 ± 0,32	g/100g		
	Nickel (Ni)	[7440-02-0]	119,8 ± 1,2	g/100g		
	Copper (Cu)	[7440-50-8]	129,3 ± 1,4	g/100g		
	Zinc (Zn)	[7440-66-6]	103,9 ± 1	g/100g		
	Gallium (Ga)	[7440-55-3]	21,37 ± 0,2	g/100g		
	Germanium (Ge)	[7440-56-4]	1,623 ± 0,039	g/100g		
	Arsenic (As)	[7440-38-2]	0,7 ± 0,11	g/100g		
	Selenium (Se)	[7782-49-2]	0,18 ± 0,04	g/100g		
	Bromine (Br)	[7726-95-6]	0,3 ± 0,1	g/100g		
	Rubidium (Rb)	[7440-17-7]	9,261 ± 0,096	g/100g		
	Strontium (Sr)	[7440-24-6]	394,1 ± 1,7	g/100g		
	Yttrium (Y)	[7440-65-5]	25,91 ± 0,28	g/100g		
	Zirconium (Zr)	[7440-67-7]	171,2 ± 1,3	g/100g		

Niobium (Nb)	[7440-03-1]	18,1 ± 0,2	g/100g
Molybdenum (Mo)	[7439-98-7]	4,07 ± 0,16	g/100g
Ruthenium (Ru)	[7440-18-8]	0,000125 ± 0,000018	g/100g
Cadmium (Cd)	[7440-43-9]	0,152 ± 0,049	g/100g
Indium (In)	[7440-74-6]	0,117 ± 0,045	g/100g
Tin (Sn)	[7440-31-5]	1,776 ± 0,059	g/100g
Antimony (Sb)	[7440-36-0]	0,1034 ± 0,0079	g/100g
Caesium (Cs)	[7440-46-2]	0,0996 ± 0,0022	g/100g
Barium (Ba)	[7440-39-3]	130,9 ± 1	g/100g
Lanthanum (La)	[7439-91-0]	15,2 ± 0,08	g/100g
Cerium (Ce)	[7440-45-1]	37,53 ± 0,19	g/100g
Praseodymium (Pr)	[7440-10-0]	5,339 ± 0,028	g/100g
Neodymium (Nd)	[7440-00-8]	24,27 ± 0,25	g/100g
Samarium (Sm)	[7440-19-9]	6,023 ± 0,057	g/100g
Europium (Eu)	[7440-53-1]	2,043 ± 0,012	g/100g
Gadolinium (Gd)	[7440-54-2]	6,207 ± 0,038	g/100g
Terbium (Tb)	[7440-27-9]	0,9392 ± 0,006	g/100g
Dysprosium (Dy)	[7429-91-6]	5,28 ± 0,028	g/100g
Holmium (Ho)	[7440-60-0]	0,9887 ± 0,0053	g/100g
Erbium (Er)	[7440-52-0]	2,511 ± 0,014	g/100g
Thulium (Tm)	[7440-30-4]	0,3349 ± 0,0031	g/100g
Ytterbium (Yb)	[7440-64-4]	1,994 ± 0,027	g/100g
Lutetium (Lu)	[7439-94-3]	0,2754 ± 0,0024	g/100g
Hafnium (Hf)	[7440-58-6]	4,47 ± 0,025	g/100g
Tantalum (Ta)	[7440-25-7]	1,154 ± 0,019	g/100g
Tungsten (W)	[7440-33-7]	0,251 ± 0,035	g/100g
Rhenium (Re)	[7440-15-5]	0,000543 ± 0,000029	g/100g
Osmium (Os)	[7440-04-2]	0,000111 ± 0,000021	g/100g
Iridium (Ir)	[7439-88-5]	0,00007 ± 0,000011	g/100g
Platinum (Pt)	[7440-06-4]	0,0089 ± 0,0016	g/100g
Thallium (Tl)	[7440-28-0]	0,0224 ± 0,0015	g/100g
Lead (Pb)	[7439-92-1]	1,653 ± 0,038	g/100g
Bismuth (Bi)	[7440-69-9]	0,0148 ± 0,0043	g/100g
Thorium (Th)	[7440-29-1]	1,224 ± 0,016	g/100g
Uranium (U)	[7440-61-1]	0,412 ± 0,035	g/100g