

**Tholeiitic Basalt Nano-Pellet, pressed pellet diameter 20 mm (Standard for solid-state microanalysis)**

Art. ID MY-BIR-1a-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		1,832 ± 0,022	g/100g		
	MgO	[1309-48-4]	9,689 ± 0,052	g/100g		
	Al <sub>2</sub> O <sub>3</sub>		15,51 ± 0,07	g/100g		
	SiO <sub>2</sub>		47,79 ± 0,16	g/100g		
	P <sub>2</sub> O <sub>5</sub>		0,03 ± 0,0043	g/100g		
	K <sub>2</sub> O		0,029 ± 0,003	g/100g		
	CaO		13,29 ± 0,06	g/100g		
	TiO <sub>2</sub>		0,9587 ± 0,0066	g/100g		
	MnO		0,1731 ± 0,0016	g/100g		
	Fe <sub>2</sub> O <sub>3</sub> (T)		11,4 ± 0,05	g/100g		
	Lithium (Li)	[7439-93-2]	3,203 ± 0,069	g/100g		
	Beryllium (Be)	[7440-41-7]	0,102 ± 0,011	g/100g		
	Scandium (Sc)	[7440-20-2]	43,21 ± 0,59	g/100g		
	Vanadium (V)	[7440-62-2]	320,6 ± 2,9	g/100g		
	Chromium (Cr)	[7440-47-3]	392,9 ± 3,9	g/100g		
	Cobalt (Co)	[7440-48-4]	52,22 ± 0,57	g/100g		
	Nickel (Ni)	[7440-02-0]	168,9 ± 1,9	g/100g		
	Copper (Cu)	[7440-50-8]	120,7 ± 1,6	g/100g		
	Zinc (Zn)	[7440-66-6]	70,4 ± 1,1	g/100g		
	Gallium (Ga)	[7440-55-3]	15,46 ± 0,23	g/100g		
	Rubidium (Rb)	[7440-17-7]	0,21 ± 0,0081	g/100g		
	Strontium (Sr)	[7440-24-6]	108,6 ± 0,7	g/100g		
	Yttrium (Y)	[7440-65-5]	15,6 ± 0,17	g/100g		
	Zirconium (Zr)	[7440-67-7]	14,8 ± 0,22	g/100g		
	Niobium (Nb)	[7440-03-1]	0,553 ± 0,014	g/100g		
	Molybdenum (Mo)	[7439-98-7]	0,068 ± 0,021	g/100g		
	Cadmium (Cd)	[7440-43-9]	0,077 ± 0,017	g/100g		
	Tin (Sn)	[7440-31-5]	0,701 ± 0,067	g/100g		

Antimony (Sb)	[7440-36-0]	0,462 ± 0,032	g/100g
Caesium (Cs)	[7440-46-2]	0,00646 ± 0,00072	g/100g
Barium (Ba)	[7440-39-3]	6,75 ± 0,13	g/100g
Lanthanum (La)	[7439-91-0]	0,627 ± 0,012	g/100g
Cerium (Ce)	[7440-45-1]	1,92 ± 0,023	g/100g
Praseodymium (Pr)	[7440-10-0]	0,3723 ± 0,0047	g/100g
Neodymium (Nd)	[7440-00-8]	2,397 ± 0,043	g/100g
Samarium (Sm)	[7440-19-9]	1,113 ± 0,018	g/100g
Europium (Eu)	[7440-53-1]	0,5201 ± 0,0047	g/100g
Gadolinium (Gd)	[7440-54-2]	1,809 ± 0,021	g/100g
Terbium (Tb)	[7440-27-9]	0,3623 ± 0,005	g/100g
Dysprosium (Dy)	[7429-91-6]	2,544 ± 0,028	g/100g
Holmium (Ho)	[7440-60-0]	0,5718 ± 0,0047	g/100g
Erbium (Er)	[7440-52-0]	1,68 ± 0,015	g/100g
Thulium (Tm)	[7440-30-4]	0,2558 ± 0,004	g/100g
Ytterbium (Yb)	[7440-64-4]	1,631 ± 0,015	g/100g
Lutetium (Lu)	[7439-94-3]	0,2484 ± 0,0032	g/100g
Hafnium (Hf)	[7440-58-6]	0,5822 ± 0,0088	g/100g
Tantalum (Ta)	[7440-25-7]	0,0414 ± 0,002	g/100g
Tungsten (W)	[7440-33-7]	0,027 ± 0,015	g/100g
Thallium (Tl)	[7440-28-0]	0,0021 ± 0,0007	g/100g
Lead (Pb)	[7439-92-1]	3,037 ± 0,049	g/100g
Thorium (Th)	[7440-29-1]	0,0328 ± 0,0015	g/100g
Uranium (U)	[7440-61-1]	0,01051 ± 0,00041	g/100g