

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

Art. ID MY-AC-E-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 ₂ O		6,54 ± 0,04	g/100g		
	MgO	[1309-48-4]	0,03 ± 0,01	g/100g		
	Al ₂ O ₃		14,7 ± 0,05	g/100g		
	SiO ₂		70,35 ± 0,07	g/100g		
	P ₂ O ₅		0,014 ± 0,004	g/100g		
	K ₂ O		4,49 ± 0,02	g/100g		
	CaO		0,34 ± 0,02	g/100g		
	TiO ₂		0,11 ± 0,02	g/100g		
	MnO		0,058 ± 0,002	g/100g		
	Fe ₂ O ₃ (T)		2,53 ± 0,02	g/100g		
	Lithium (Li)	[7439-93-2]	93 ± 5	g/100g		
	Beryllium (Be)	[7440-41-7]	12 ± 1,1	g/100g		
	Boron (B)	[7440-42-8]	21 ± 2,6	g/100g		
	Fluorine (F)	[7782-41-4]	2100 ± 200	g/100g		
	Scandium (Sc)	[7440-20-2]	0,11 ± 0,05	g/100g		
	Vanadium (V)	[7440-62-2]	3 ± 1	g/100g		
	Chromium (Cr)	[7440-47-3]	3,4 ± 1,2	g/100g		
	Cobalt (Co)	[7440-48-4]	0,2 ± 0,1	g/100g		
	Nickel (Ni)	[7440-02-0]	1,5 ± 0,5	g/100g		
	Copper (Cu)	[7440-50-8]	4 ± 0,9	g/100g		
	Zinc (Zn)	[7440-66-6]	224 ± 6	g/100g		
	Gallium (Ga)	[7440-55-3]	39 ± 3,7	g/100g		
	Arsenic (As)	[7440-38-2]	2,3 ± 1	g/100g		
	Rubidium (Rb)	[7440-17-7]	152 ± 2,1	g/100g		
	Strontium (Sr)	[7440-24-6]	3 ± 0,8	g/100g		
	Yttrium (Y)	[7440-65-5]	184 ± 5	g/100g		
	Zirconium (Zr)	[7440-67-7]	780 ± 20	g/100g		
	Niobium (Nb)	[7440-03-1]	110 ± 5	g/100g		

Molybdenum (Mo)	[7439-98-7]	0,9 ± 0,9	g/100g
Silver (Ag)	[7440-22-4]	0,1 ± 0,04	g/100g
Cadmium (Cd)	[7440-43-9]	0,6 ± 0,3	g/100g
Tin (Sn)	[7440-31-5]	13 ± 4	g/100g
Antimony (Sb)	[7440-36-0]	0,4 ± 0,08	g/100g
Caesium (Cs)	[7440-46-2]	3 ± 0,54	g/100g
Barium (Ba)	[7440-39-3]	55 ± 5	g/100g
Lanthanum (La)	[7439-91-0]	59 ± 2	g/100g
Cerium (Ce)	[7440-45-1]	154 ± 4,7	g/100g
Praseodymium (Pr)	[7440-10-0]	22,2 ± 2,6	g/100g
Neodymium (Nd)	[7440-00-8]	92 ± 6	g/100g
Samarium (Sm)	[7440-19-9]	24,2 ± 0,8	g/100g
Europium (Eu)	[7440-53-1]	2 ± 0,09	g/100g
Gadolinium (Gd)	[7440-54-2]	26 ± 1,5	g/100g
Terbium (Tb)	[7440-27-9]	4,8 ± 0,2	g/100g
Dysprosium (Dy)	[7429-91-6]	29 ± 1,5	g/100g
Holmium (Ho)	[7440-60-0]	6,5 ± 0,5	g/100g
Erbium (Er)	[7440-52-0]	17,7 ± 1,2	g/100g
Thulium (Tm)	[7440-30-4]	2,6 ± 0,24	g/100g
Ytterbium (Yb)	[7440-64-4]	17,4 ± 0,5	g/100g
Lutetium (Lu)	[7439-94-3]	2,45 ± 0,11	g/100g
Hafnium (Hf)	[7440-58-6]	27,9 ± 1,4	g/100g
Tantalum (Ta)	[7440-25-7]	6,4 ± 0,3	g/100g
Tungsten (W)	[7440-33-7]	1,5 ± 0,4	g/100g
Lead (Pb)	[7439-92-1]	39 ± 3	g/100g
Thorium (Th)	[7440-29-1]	18,5 ± 0,7	g/100g
Uranium (U)	[7440-61-1]	4,6 ± 0,46	g/100g