

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

Art. ID MY-GH-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		3,85 ± 0,07	g/100g		
	MgO	[1309-48-4]	0,03 ± 0,015	g/100g		
	Al ₂ O ₃		12,5 ± 0,1	g/100g		
	SiO ₂		75,8 ± 0,18	g/100g		
	P ₂ O ₅		0,01 ± 0,005	g/100g		
	K ₂ O		4,76 ± 0,05	g/100g		
	CaO		0,69 ± 0,04	g/100g		
	TiO ₂		0,08 ± 0,01	g/100g		
	MnO		0,05 ± 0,002	g/100g		
	Fe ₂ O ₃ (T)		1,34 ± 0,07	g/100g		
	Lithium (Li)	[7439-93-2]	45 ± 5	g/100g		
	Beryllium (Be)	[7440-41-7]	5,5 ± 0,8	g/100g		
	Fluorine (F)	[7782-41-4]	3500 ± 200	g/100g		
	Chlorine (Cl)	[7782-50-5]	100 ±	g/100g		
	Scandium (Sc)	[7440-20-2]	0,8 ± 0,5	g/100g		
	Vanadium (V)	[7440-62-2]	5 ± 3	g/100g		
	Chromium (Cr)	[7440-47-3]	3 ± 1	g/100g		
	Cobalt (Co)	[7440-48-4]	0,3 ± 0,1	g/100g		
	Nickel (Ni)	[7440-02-0]	3 ± 1,5	g/100g		
	Copper (Cu)	[7440-50-8]	3 ± 1,5	g/100g		
	Zinc (Zn)	[7440-66-6]	55 ± 5	g/100g		
	Gallium (Ga)	[7440-55-3]	23 ± 1,5	g/100g		
	Arsenic (As)	[7440-38-2]	0,4 ± 0,1	g/100g		
	Rubidium (Rb)	[7440-17-7]	390 ± 10	g/100g		
	Strontium (Sr)	[7440-24-6]	8,7 ±	g/100g		
	Yttrium (Y)	[7440-65-5]	75 ± 3	g/100g		
	Zirconium (Zr)	[7440-67-7]	150 ± 20	g/100g		
	Niobium (Nb)	[7440-03-1]	85 ± 5	g/100g		

Molybdenum (Mo)	[7439-98-7]	2 ± 0,4	g/100g
Tin (Sn)	[7440-31-5]	10 ± 2	g/100g
Caesium (Cs)	[7440-46-2]	2,5 ± 0,2	g/100g
Barium (Ba)	[7440-39-3]	20 ± 3	g/100g
Lanthanum (La)	[7439-91-0]	25 ± 1	g/100g
Cerium (Ce)	[7440-45-1]	60 ± 3	g/100g
Praseodymium (Pr)	[7440-10-0]	7,8 ± 0,5	g/100g
Neodymium (Nd)	[7440-00-8]	29 ± 2	g/100g
Samarium (Sm)	[7440-19-9]	9 ± 0,4	g/100g
Europium (Eu)	[7440-53-1]	0,12 ± 0,02	g/100g
Gadolinium (Gd)	[7440-54-2]	9,5 ± 0,8	g/100g
Terbium (Tb)	[7440-27-9]	1,9 ± 0,2	g/100g
Dysprosium (Dy)	[7429-91-6]	12 ± 0,6	g/100g
Holmium (Ho)	[7440-60-0]	2,9 ± 0,3	g/100g
Erbium (Er)	[7440-52-0]	8 ± 0,4	g/100g
Thulium (Tm)	[7440-30-4]	1,3 ± 0,1	g/100g
Ytterbium (Yb)	[7440-64-4]	8 ± 0,6	g/100g
Lutetium (Lu)	[7439-94-3]	1,1 ± 0,15	g/100g
Hafnium (Hf)	[7440-58-6]	6,6 ± 0,5	g/100g
Tantalum (Ta)	[7440-25-7]	4,8 ± 0,4	g/100g
Tungsten (W)	[7440-33-7]	1,6 ± 0,4	g/100g
Thallium (Tl)	[7440-28-0]	1,8 ± 0,4	g/100g
Lead (Pb)	[7439-92-1]	45 ± 4,4	g/100g
Thorium (Th)	[7440-29-1]	87 ± 8	g/100g
Uranium (U)	[7440-61-1]	18 ± 1	g/100g