

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

Art. ID MY-IF-G-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		0,032 ± 0,01	g/100g		
	MgO	[1309-48-4]	1,89 ± 0,04	g/100g		
	Al <sub>2</sub> O <sub>3</sub>		0,15 ± 0,02	g/100g		
	SiO <sub>2</sub>		41,2 ± 0,15	g/100g		
	P <sub>2</sub> O <sub>5</sub>		0,063 ± 0,014	g/100g		
	K <sub>2</sub> O		0,012 ± 0,008	g/100g		
	CaO		1,55 ± 0,03	g/100g		
	TiO <sub>2</sub>		0,014 ± 0,008	g/100g		
	MnO		0,042 ± 0,003	g/100g		
	Fe <sub>2</sub> O <sub>3</sub> (T)		55,85 ± 0,22	g/100g		
	Beryllium (Be)	[7440-41-7]	4,7 ± 0,5	g/100g		
	Fluorine (F)	[7782-41-4]	50 ± 10	g/100g		
	Scandium (Sc)	[7440-20-2]	0,3 ± 0,1	g/100g		
	Vanadium (V)	[7440-62-2]	2 ± 1	g/100g		
	Chromium (Cr)	[7440-47-3]	4 ± 1	g/100g		
	Cobalt (Co)	[7440-48-4]	29 ± 5	g/100g		
	Nickel (Ni)	[7440-02-0]	22,5 ± 3	g/100g		
	Copper (Cu)	[7440-50-8]	10 ± 2	g/100g		
	Zinc (Zn)	[7440-66-6]	20 ± 4	g/100g		
	Germanium (Ge)	[7440-56-4]	24 ± 2	g/100g		
	Arsenic (As)	[7440-38-2]	1,5 ± 0,5	g/100g		
	Strontium (Sr)	[7440-24-6]	3 ± 1	g/100g		
	Yttrium (Y)	[7440-65-5]	9 ± 0,5	g/100g		
	Zirconium (Zr)	[7440-67-7]	1 ± 0,2	g/100g		
	Niobium (Nb)	[7440-03-1]	0,1 ± 0,05	g/100g		
	Molybdenum (Mo)	[7439-98-7]	0,7 ± 0,2	g/100g		
	Tin (Sn)	[7440-31-5]	0,3 ± 0,1	g/100g		
	Antimony (Sb)	[7440-36-0]	0,63 ± 0,2	g/100g		

Barium (Ba)	[7440-39-3]	1,5 ± 0,5	g/100g
Lanthanum (La)	[7439-91-0]	2,8 ± 0,4	g/100g
Cerium (Ce)	[7440-45-1]	4 ± 0,4	g/100g
Praseodymium (Pr)	[7440-10-0]	0,4 ± 0,05	g/100g
Neodymium (Nd)	[7440-00-8]	1,8 ± 0,2	g/100g
Samarium (Sm)	[7440-19-9]	0,4 ± 0,1	g/100g
Europium (Eu)	[7440-53-1]	0,39 ± 0,04	g/100g
Gadolinium (Gd)	[7440-54-2]	0,74 ± 0,2	g/100g
Terbium (Tb)	[7440-27-9]	0,11 ± 0,02	g/100g
Dysprosium (Dy)	[7429-91-6]	0,8 ± 0,1	g/100g
Holmium (Ho)	[7440-60-0]	0,2 ± 0,05	g/100g
Erbium (Er)	[7440-52-0]	0,63 ± 0,1	g/100g
Thulium (Tm)	[7440-30-4]	0,09 ± 0,02	g/100g
Ytterbium (Yb)	[7440-64-4]	0,6 ± 0,1	g/100g
Lutetium (Lu)	[7439-94-3]	0,09 ± 0,01	g/100g
Tantalum (Ta)	[7440-25-7]	0,2 ± 0,03	g/100g
Tungsten (W)	[7440-33-7]	220 ± 15	g/100g
Lead (Pb)	[7439-92-1]	4 ± 2	g/100g