

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

Art. ID MY-NOD-A1-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
	Al <sub>2</sub> O <sub>3</sub>		4,02 ± 0,03	g/100g		
	Arsenic (As)	[7440-38-2]	282 ± 30	g/100g		
	Barium (Ba)	[7440-39-3]	36,1 ± 5,8	g/100g		
	Bismuth (Bi)	[7440-69-9]	9,3 ± 1	g/100g		
	CaO		23,25 ± 0,76	g/100g		
	Cerium (Ce)	[7440-45-1]	1457 ± 44	g/100g		
	Cobalt (Co)	[7440-48-4]	3016 ± 119	g/100g		
	Copper (Cu)	[7440-50-8]	1062 ± 33	g/100g		
	Dysprosium (Dy)	[7429-91-6]	3,7 ± 0,3	g/100g		
	Erbium (Er)	[7440-52-0]	4,9 ± 0,5	g/100g		
	Europium (Eu)	[7440-53-1]	22,7 ± 2,1	g/100g		
	Fe <sub>2</sub> O <sub>3</sub> (T)		72 ± 5	g/100g		
	Gadolinium (Gd)	[7440-54-2]	5,3 ± 0,3	g/100g		
	Hafnium (Hf)	[7440-58-6]	2,2 ± 0,2	g/100g		
	Holmium (Ho)	[7440-60-0]	23,4 ± 1,5	g/100g		
	K <sub>2</sub> O		0,48 ± 0,02	g/100g		
	Lanthanum (La)	[7439-91-0]	0,6 ± 0,2	g/100g		
	Lithium (Li)	[7439-93-2]	5,3 ± 0,7	g/100g		
	Lutetium (Lu)	[7439-94-3]	13,9 ± 0,6	g/100g		
	MgO	[1309-48-4]	3,78 ± 0,14	g/100g		
	MnO		0,71 ± 0,06	g/100g		
	Molybdenum (Mo)	[7439-98-7]	364 ± 59	g/100g		
	Na <sub>2</sub> O		4,57 ± 0,29	g/100g		
	Niobium (Nb)	[7440-03-1]	47 ± 6	g/100g		
	Neodymium (Nd)	[7440-00-8]	746 ± 40	g/100g		
	Nickel (Ni)	[7440-02-0]	5990 ± 333	g/100g		
	P <sub>2</sub> O <sub>5</sub>		15,3 ± 0,6	g/100g		
	Lead (Pb)	[7439-92-1]	808 ± 26	g/100g		

Praseodymium (Pr)	[7440-10-0]	116 ± 21	g/100g
Rubidium (Rb)	[7440-17-7]	10,2 ± 0,6	g/100g
Antimony (Sb)	[7440-36-0]	35,7 ± 2,9	g/100g
SiO <sub>2</sub>		1,21 ± 0,04	g/100g
Samarium (Sm)	[7440-19-9]	102 ± 5	g/100g
Strontium (Sr)	[7440-24-6]	1565 ± 256	g/100g
Tantalum (Ta)	[7440-25-7]	5,9 ± 1,6	g/100g
Terbium (Tb)	[7440-27-9]	25 ± 0,6	g/100g
Thorium (Th)	[7440-29-1]	23 ± 1	g/100g
TiO <sub>2</sub>		15,29 ± 0,51	g/100g
Thallium (Tl)	[7440-28-0]	108 ± 12	g/100g
Thulium (Tm)	[7440-30-4]	14,5 ± 1,5	g/100g
Uranium (U)	[7440-61-1]	1,02 ± 0,08	g/100g
Uranium (U)	[7440-61-1]	7 ± 0,8	g/100g
Vanadium (V)	[7440-62-2]	590 ± 28	g/100g
Tungsten (W)	[7440-33-7]	79 ± 12	g/100g
Yttrium (Y)	[7440-65-5]	121 ± 13	g/100g
Ytterbium (Yb)	[7440-64-4]	2,1 ± 0,3	g/100g
Zinc (Zn)	[7440-66-6]	565 ± 41	g/100g
Zirconium (Zr)	[7440-67-7]	288 ± 65	g/100g