

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

Art. ID MY-NOD-P1-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		2,15 ± 0,04	g/100g		
	MgO	[1309-48-4]	3,17 ± 0,17	g/100g		
	Al <sub>2</sub> O <sub>3</sub>		4,6 ± 0,23	g/100g		
	SiO <sub>2</sub>		14,9 ± 0,4	g/100g		
	P <sub>2</sub> O <sub>5</sub>		0,46 ± 0,02	g/100g		
	CaO		1,23 ± 0,09	g/100g		
	TiO <sub>2</sub>		3 ± 0,2	g/100g		
	MnO		0,45 ± 0,02	g/100g		
	Fe <sub>2</sub> O <sub>3</sub> (T)		37,1 ± 1,3	g/100g		
	SO <sub>3</sub>		8,24 ± 0,22	g/100g		
	Lithium (Li)	[7439-93-2]	140 ± 13	g/100g		
	Beryllium (Be)	[7440-41-7]	469 ± 22	g/100g		
	Vanadium (V)	[7440-62-2]	2190 ± 91	g/100g		
	Cobalt (Co)	[7440-48-4]	12681 ± 387	g/100g		
	Nickel (Ni)	[7440-02-0]	11288 ± 479	g/100g		
	Copper (Cu)	[7440-50-8]	1522 ± 87	g/100g		
	Zinc (Zn)	[7440-66-6]	88 ± 12	g/100g		
	Arsenic (As)	[7440-38-2]	24,7 ± 1,7	g/100g		
	Rubidium (Rb)	[7440-17-7]	660 ± 29	g/100g		
	Strontium (Sr)	[7440-24-6]	93 ± 10	g/100g		
	Yttrium (Y)	[7440-65-5]	278 ± 33	g/100g		
	Zirconium (Zr)	[7440-67-7]	23 ± 5	g/100g		
	Niobium (Nb)	[7440-03-1]	632 ± 116	g/100g		
	Molybdenum (Mo)	[7439-98-7]	54,1 ± 3,6	g/100g		
	Antimony (Sb)	[7440-36-0]	2564 ± 65	g/100g		
	Tellurium (Te)	[13494-80-9]	111 ± 21	g/100g		
	Caesium (Cs)	[7440-46-2]	319 ± 24	g/100g		
	Barium (Ba)	[7440-39-3]	30,4 ± 2	g/100g		

Lanthanum (La)	[7439-91-0]	135 ± 9	g/100g
Cerium (Ce)	[7440-45-1]	33,4 ± 2,1	g/100g
Neodymium (Nd)	[7440-00-8]	7,8 ± 0,3	g/100g
Samarium (Sm)	[7440-19-9]	30,7 ± 1,2	g/100g
Europium (Eu)	[7440-53-1]	4,6 ± 0,3	g/100g
Gadolinium (Gd)	[7440-54-2]	26,8 ± 1	g/100g
Terbium (Tb)	[7440-27-9]	5 ± 0,6	g/100g
Dysprosium (Dy)	[7429-91-6]	13,7 ± 0,8	g/100g
Holmium (Ho)	[7440-60-0]	2 ± 0,3	g/100g
Erbium (Er)	[7440-52-0]	12,9 ± 0,5	g/100g
Thulium (Tm)	[7440-30-4]	1,9 ± 0,2	g/100g
Ytterbium (Yb)	[7440-64-4]	86 ± 18,4	g/100g
Lutetium (Lu)	[7439-94-3]	0,4 ± 0,3	g/100g
Hafnium (Hf)	[7440-58-6]	58 ± 3	g/100g
Tungsten (W)	[7440-33-7]	191 ± 22	g/100g
Thallium (Tl)	[7440-28-0]	434 ± 23	g/100g
Lead (Pb)	[7439-92-1]	4,8 ± 0,3	g/100g
Bismuth (Bi)	[7440-69-9]	15,5 ± 0,5	g/100g
Thorium (Th)	[7440-29-1]	4,1 ± 0,4	g/100g