

## Ferroboron Powder, Certified Reference Material

Art. ID	IARM-FBP-20
Unit	100 g (powder)
Deliverydetails	No Dangerous Good /not restricted

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified Value	Aluminium (Al)	[7429-90-5]	0,049 ± 0,006	%		
Certified Value	Boron (B)	[7440-42-8]	18,4 ± 0,3	%		
Certified Value	Carbon (C)	[7440-44-0]	0,39 ± 0,01	%		
Certified Value	Calcium (Ca)	[7440-70-2]	0,04 ± 0,01	%		
Certified Value	Chromium (Cr)	[7440-47-3]	0,13 ± 0,03	%		
Certified Value	Copper (Cu)	[7440-50-8]	0,01 ± 0,001	%		
Certified Value	Iron (Fe)	[7439-89-6]	77 ± 1	%		
Certified Value	Manganese (Mn)	[7439-96-5]	0,25 ± 0,01	%		
Certified Value	Molybdenum (Mo)	[7439-98-7]	0,008 ± 0,001	%		
Certified Value	Nitrogen (N)	[7727-37-9]	0,004 ± 0,001	%		
Certified Value	Nickel (Ni)	[7440-02-0]	0,012 ± 0,001	%		
Certified Value	Sulfur (S)	[7704-34-9]	0,004 ± 0,001	%		
Certified Value	Silicon (Si)	[7440-21-3]	0,66 ± 0,08	%		
Certified Value	Tin (Sn)	[7440-31-5]	0,027 ± 0,0007	%		
Certified Value	Titanium (Ti)	[7440-32-6]	0,28 ± 0,03	%		
Certified Value	Vanadium (V)	[7440-62-2]	0,005 ± 0,001	%		
Certified Value	Tungsten (W)	[7440-33-7]	0,0022 ± 0,0005	%		
Certified Value	Zirconium (Zr)	[7440-67-7]	0,037 ± 0,004	%		
Indicative Value	Arsenic (As)	[7440-38-2]	~20	ppm		
Indicative Value	Cobalt (Co)	[7440-48-4]	~19	ppm		
Indicative Value	Gallium (Ga)	[7440-55-3]	<5	ppm		
Indicative Value	Hydrogen (H)	[1333-74-0]	~176	ppm		
Indicative Value	Hafnium (Hf)	[7440-58-6]	<5	ppm		
Indicative Value	Potassium (K)	[7440-09-7]	<750	ppm		
Indicative Value	Lithium (Li)	[7439-93-2]	<340	ppm		
Indicative Value	Magnesium (Mg)	[7439-95-4]	~40	ppm		
Indicative Value	Sodium (Na)	[7440-23-5]	<300	ppm		
Indicative Value	Niobium (Nb)	[7440-03-1]	~72	ppm		
Indicative Value	Oxygen (O)	[7782-44-7]	~11000	ppm		
Indicative Value	Phosphorus (P)	[7723-14-0]	~200	ppm		
Indicative Value	Lead (Pb)	[7439-92-1]	<2	ppm		

Indicative Value	Antimony (Sb)	[7440-36-0]	~3	ppm
Indicative Value	Selenium (Se)	[7782-49-2]	<2	ppm
Indicative Value	Tantalum (Ta)	[7440-25-7]	<1	ppm
Indicative Value	Yttrium (Y)	[7440-65-5]	<1	ppm
Indicative Value	Zinc (Zn)	[7440-66-6]	<10	ppm