

## Ferrosilicon Powder, Certified Reference Material

Art. ID IARM-FSiP-20  
Unit 80 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]	0,31 ± 0,01	%		
Certified Value	Carbon (C)	[7440-44-0]	0,026 ± 0,006	%		
Certified Value	Calcium (Ca)	[7440-70-2]	0,17 ± 0,01	%		
Certified Value	Cobalt (Co)	[7440-48-4]	0,0019 ± 0,0008	%		
Certified Value	Chromium (Cr)	[7440-47-3]	0,068 ± 0,004	%		
Certified Value	Copper (Cu)	[7440-50-8]	0,052 ± 0,002	%		
Certified Value	Iron (Fe)	[7439-89-6]	21,8 ± 0,8	%		
Certified Value	Magnesium (Mg)	[7439-95-4]	0,008 ± 0,001	%		
Certified Value	Manganese (Mn)	[7439-96-5]	0,186 ± 0,005	%		
Certified Value	Molybdenum (Mo)	[7439-98-7]	0,0082 ± 0,0004	%		
Certified Value	Niobium (Nb)	[7440-03-1]	0,0018 ± 0,0001	%		
Certified Value	Nickel (Ni)	[7440-02-0]	0,02 ± 0,001	%		
Certified Value	Lead (Pb)	[7439-92-1]	0,015 ± 0,002	%		
Certified Value	Silicon (Si)	[7440-21-3]	77 ± 1	%		
Certified Value	Titanium (Ti)	[7440-32-6]	0,057 ± 0,003	%		
Certified Value	Tungsten (W)	[7440-33-7]	0,0019 ± 0,0007	%		
Certified Value	Zinc (Zn)	[7440-66-6]	0,0022 ± 0,0009	%		
Certified Value	Zirconium (Zr)	[7440-67-7]	0,0043 ± 0,0004	%		
Indicative Value	Arsenic (As)	[7440-38-2]	<10	ppm		
Indicative Value	Boron (B)	[7440-42-8]	~40	ppm		
Indicative Value	Barium (Ba)	[7440-39-3]	<70	ppm		
Indicative Value	Cadmium (Cd)	[7440-43-9]	<10	ppm		
Indicative Value	Hydrogen (H)	[1333-74-0]	~23	ppm		
Indicative Value	Hafnium (Hf)	[7440-58-6]	<10	ppm		
Indicative Value	Potassium (K)	[7440-09-7]	<50	ppm		
Indicative Value	Lanthanum (La)	[7439-91-0]	<18	ppm		
Indicative Value	Lithium (Li)	[7439-93-2]	<2	ppm		
Indicative Value	Nitrogen (N)	[7727-37-9]	~50	ppm		
Indicative Value	Oxygen (O)	[7782-44-7]	~2600	ppm		
Indicative Value	Lead (Pb)	[7439-92-1]	<10	ppm		
Indicative Value	Sulfur (S)	[7704-34-9]	<20	ppm		

Indicative Value	Antimony (Sb)	[7440-36-0]	<20	ppm
Indicative Value	Tin (Sn)	[7440-31-5]	~2	ppm
Indicative Value	Strontium (Sr)	[7440-24-6]	<39	ppm
Indicative Value	Tantalum (Ta)	[7440-25-7]	<9	ppm
Indicative Value	Thorium (Th)	[7440-29-1]	<2	ppm
Indicative Value	Uranium (U)	[7440-61-1]	<1	ppm
Indicative Value	Vanadium (V)	[7440-62-2]	~50	ppm
Indicative Value	Yttrium (Y)	[7440-65-5]	<3	ppm