

**6418 Low Alloy Steel, Certified Reference Material for AISI Steel Grade 6418 - UNS Number K32550, Disc 57mm D x ~7mm XRF CUT**

Art. ID                      BS-6418-7MM  
Unit                         disc  
Deliverydetails            No Dangerous Good /not restricted

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified Value	Aluminium (Al)	[7429-90-5]	0,029 ± 0,003	%		
Certified Value	Boron (B)	[7440-42-8]	0,0004 ± 0,0002	%		
Certified Value	Carbon (C)	[7440-44-0]	0,255 ± 0,004	%		
Certified Value	Calcium (Ca)	[7440-70-2]	0,0002 ± 0,0001	%		
Certified Value	Cobalt (Co)	[7440-48-4]	0,01 ± 0,001	%		
Certified Value	Chromium (Cr)	[7440-47-3]	0,34 ± 0,01	%		
Certified Value	Copper (Cu)	[7440-50-8]	0,109 ± 0,003	%		
Certified Value	Iron (Fe)	[7439-89-6]	[94,1] ± 0,2	%		
Certified Value	Magnesium (Mg)	[7439-95-4]	0,0004 ± 0,0002	%		
Certified Value	Manganese (Mn)	[7439-96-5]	1,41 ± 0,05	%		
Certified Value	Molybdenum (Mo)	[7439-98-7]	0,42 ± 0,02	%		
Certified Value	Nitrogen (N)	[7727-37-9]	0,007 ± 0,001	%		
Certified Value	Niobium (Nb)	[7440-03-1]	0,0022 ± 0,0007	%		
Certified Value	Nickel (Ni)	[7440-02-0]	1,74 ± 0,05	%		
Certified Value	Oxygen (O)	[7782-44-7]	0,0011 ± 0,0002	%		
Certified Value	Sulfur (S)	[7704-34-9]	0,0041 ± 0,0006	%		
Certified Value	Silicon (Si)	[7440-21-3]	1,54 ± 0,03	%		
Certified Value	Titanium (Ti)	[7440-32-6]	0,0036 ± 0,0006	%		
Reference Value	Arsenic (As)	[7440-38-2]	0,004 ± 0,002	%		
Reference Value	Phosphorus (P)	[7723-14-0]	0,01 ± 0,002	%		
Reference Value	Lead (Pb)	[7439-92-1]	<0,005	%		
Reference Value	Antimony (Sb)	[7440-36-0]	0,003 ± 0,002	%		
Reference Value	Tin (Sn)	[7440-31-5]	0,006 ± 0,001	%		
Reference Value	Tantalum (Ta)	[7440-25-7]	<0,05	%		
Reference Value	Vanadium (V)	[7440-62-2]	0,003 ± 0,001	%		
Reference Value	Tungsten (W)	[7440-33-7]	<0,05	%		
Reference Value	Zirconium (Zr)	[7440-67-7]	<0,005	%		