

**Certified Reference Material for Carbon-Molybdenum Steel, C-0.5Mo, 4419, Low Alloy Steel Disc 39mm D x 19mm**

Art. ID                      BS-3952  
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]	0,048 ± 0,002	%		
Certified Value	Boron (B)	[7440-42-8]	0,0003 ± 0,0001	%		
Certified Value	Carbon (C)	[7440-44-0]	0,208 ± 0,006	%		
Certified Value	Chromium (Cr)	[7440-47-3]	0,104 ± 0,003	%		
Certified Value	Copper (Cu)	[7440-50-8]	0,201 ± 0,006	%		
Certified Value	Iron (Fe)	[7439-89-6]	98 ± 0,2	%		
Certified Value	Manganese (Mn)	[7439-96-5]	0,543 ± 0,008	%		
Certified Value	Molybdenum (Mo)	[7439-98-7]	0,525 ± 0,007	%		
Certified Value	Nitrogen (N)	[7727-37-9]	0,0006 ± 0,0003	%		
Certified Value	Nickel (Ni)	[7440-02-0]	0,111 ± 0,004	%		
Certified Value	Phosphorus (P)	[7723-14-0]	0,011 ± 0,001	%		
Certified Value	Sulfur (S)	[7704-34-9]	0,021 ± 0,002	%		
Certified Value	Antimony (Sb)	[7440-36-0]	0,0034 ± 0,0009	%		
Certified Value	Silicon (Si)	[7440-21-3]	0,263 ± 0,007	%		
Certified Value	Vanadium (V)	[7440-62-2]	0,0014 ± 0,0005	%		
Reference Value	Arsenic (As)	[7440-38-2]	<0,005	%		
Reference Value	Calcium (Ca)	[7440-70-2]	<0,005	%		
Reference Value	Cobalt (Co)	[7440-48-4]	0,003 ± 0,001	%		
Reference Value	Magnesium (Mg)	[7439-95-4]	0,00008 ± 0,00003	%		
Reference Value	Tin (Sn)	[7440-31-5]	0,0009 ± 0,0005	%		
Reference Value	Tantalum (Ta)	[7440-25-7]	0,003 ± 0,002	%		
Reference Value	Titanium (Ti)	[7440-32-6]	0,002 ± 0,001	%		