

**High Alloyed Steel, Grade 1.4988 X8CrNiMoVNb16-13, CRM, Disc approx. Ø 36 mm x 20 mm**

Art. ID                   HRT-FE2021-H  
Unit                      disc  
Deliverydetails        No Dangerous Good /not restricted

**Description**

This Reference Material is intended for use in spark atomic emission and x-ray spectrometric methods of analysis. The entire depth of the disc may be used.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Carbon (C)	[7440-44-0]	0,0415 ± 0,0024	%		
	Silicon (Si)	[7440-21-3]	0,347 ± 0,018	%		
	Manganese (Mn)	[7439-96-5]	1,191 ± 0,035	%		
	Phosphorus (P)	[7723-14-0]	0,0213 ± 0,0017	%		
	Sulfur (S)	[7704-34-9]	0,0029 ± 0,0018	%		
	Chromium (Cr)	[7440-47-3]	15,61 ± 0,17	%		
	Molybdenum (Mo)	[7439-98-7]	1,114 ± 0,037	%		
	Nickel (Ni)	[7440-02-0]	12,73 ± 0,33	%		
	Copper (Cu)	[7440-50-8]	0,17 ± 0,013	%		
	Niobium (Nb)	[7440-03-1]	0,574 ± 0,025	%		
	Vanadium (V)	[7440-62-2]	0,599 ± 0,063	%		
	Titanium (Ti)	[7440-32-6]	0,0047 ± 0,0028	%		
	Aluminium (Al)	[7429-90-5]	0,0071 ± 0,0034	%		
	Nitrogen (N)	[7727-37-9]	0,088 ± 0,004	%		
	Tungsten (W)	[7440-33-7]	0,0251 ± 0,0152	%		
	Boron (B)	[7440-42-8]	0,0021 ± 0,0003	%		
	Cobalt (Co)	[7440-48-4]	0,0449 ± 0,0061	%		
	Magnesium (Mg)	[7439-95-4]	0,0008 ± 0,0005	%		
	Tin (Sn)	[7440-31-5]	0,0051 ± 0,0019	%		
	Antimony (Sb)	[7440-36-0]	0,0032 ± 0,0033	%		
	Arsenic (As)	[7440-38-2]	0,004 ± 0,0026	%		
	Tantalum (Ta)	[7440-25-7]	0,0043 ± 0,003	%		
	Zirconium (Zr)	[7440-67-7]	0,003 ± 0,0021	%		
	Zinc (Zn)	[7440-66-6]	0,0015 ± 0,0012	%		
	Cerium (Ce)	[7440-45-1]	0,0013 ± 0,0008	%		