Labmix24 GmbH
Kesseldorfer Rott 24
46499 Hamminkeln
Germany

Tel: +49 (0) 2852 96064 00
Fax: +49 (0) 2852 96064 24
Web: www.labmix24.com
E-Mail: info@labmix24.com

Carbon Steel, AISI 1020, UNS G10200, Disc Ø 38 x 19 mm

Art. ID	IARM-Fe1020-18-G
Unit	disc
Deliverydetails	No Dangerous Good /not restricted

Description

Carbon steels are among the most versatile steels, and the amount of Carbon in the steel correlates directly to its mechanical properties. Carbon steels are typically used for building, and railroads.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified Value	Arsenic (As)	[7440-38-2]	0,0044 ± 0,0004	%		
Certified Value	Carbon (C)	[7440-44-0]	0,226 ± 0,004	%		
Certified Value	Calcium (Ca)	[7440-70-2]	0,002 ± 0,001	%		
Certified Value	Cobalt (Co)	[7440-48-4]	0,0065 ± 0,0006	%		
Certified Value	Chromium (Cr)	[7440-47-3]	0,125 ± 0,004	%		
Certified Value	Copper (Cu)	[7440-50-8]	0,198 ± 0,004	%		
Certified Value	Iron (Fe)	[7439-89-6]	98,5 ± 0,1	%		
Certified Value	Manganese (Mn)	[7439-96-5]	0,547 ± 0,005	%		
Certified Value	Molybdenum (Mo)	[7439-98-7]	0,0252 ± 0,0009	%		
Certified Value	Nitrogen (N)	[7727-37-9]	0,0098 ± 0,0004	%		
Certified Value	Niobium (Nb)	[7440-03-1]	0,0012 ± 0,0007	%		
Certified Value	Nickel (Ni)	[7440-02-0]	0,078 ± 0,003	%		
Certified Value	Oxygen (O)	[7782-44-7]	0,007 ± 0,002	%		
Certified Value	Phosphorus (P)	[7723-14-0]	0,006 ± 0,001	%		
Certified Value	Sulfur (S)	[7704-34-9]	0,024 ± 0,001	%		
Certified Value	Antimony (Sb)	[7440-36-0]	0,0018 ± 0,0002	%		
Certified Value	Silicon (Si)	[7440-21-3]	0,235 ± 0,008	%		
Certified Value	Tin (Sn)	[7440-31-5]	0,008 ± 0,0005	%		
Certified Value	Tantalum (Ta)	[7440-25-7]	0,003 ± 0,002	%		
Certified Value	Vanadium (V)	[7440-62-2]	0,036 ± 0,002	%		
Certified Value	Zinc (Zn)	[7440-66-6]	0,003 ± 0,002	%		
Indicative Value	Boron (B)	[7440-42-8]	~6	ppm		
Indicative Value	Bismuth (Bi)	[7440-69-9]	<50	ppm		
Indicative Value	Cadmium (Cd)	[7440-43-9]	<10	ppm		
Indicative Value	Hydrogen (H)	[1333-74-0]	~2	ppm		
Indicative Value	Magnesium (Mg)	[7439-95-4]	<50	ppm		
Indicative Value	Lead (Pb)	[7439-92-1]	~3	ppm		
Indicative Value	Selenium (Se)	[7782-49-2]	<50	ppm		
Indicative Value	Titanium (Ti)	[7440-32-6]	~10	ppm		

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Indicative Value	Tungsten (W)	[7440-33-7]	~7	ppm
Indicative Value	Zirconium (Zr)	[7440-67-7]	~20	ppm