

**Copper base / Silicon Bronze / Certified Reference Material/ Modified CDA 647 / UNS C64700, Disc 31 mm x 3 mm**

Art. ID IARM-Cu647-18-X  
Unit disc  
Deliverydetails No Dangerous Good /not restricted

Description

Silicon Bronze, modified CDA647 (IARM-Cu647-18) type of alloy is typically used for applications such as brazing or welding rods, as well as welding electrodes and also for fasteners. It has moderate strength and is good for corrosion resistance.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified Value	Aluminium (Al)	[7429-90-5]	0,0027 ± 0,0006	%		
Certified Value	Iron (Fe)	[7439-89-6]	0,0056 ± 0,0009	%		
Certified Value	Magnesium (Mg)	[7439-95-4]	0,0086 ± 0,001	%		
Certified Value	Manganese (Mn)	[7439-96-5]	0,099 ± 0,009	%		
Certified Value	Nickel (Ni)	[7440-02-0]	2,69 ± 0,08	%		
Certified Value	Silicon (Si)	[7440-21-3]	0,7 ± 0,03	%		
Certified Value	Zinc (Zn)	[7440-66-6]	0,005 ± 0,001	%		
Certified Value	Zirconium (Zr)	[7440-67-7]	0,044 ± 0,002	%		
Indicative Value	Silver (Ag)	[7440-22-4]	<60	ppm		
Indicative Value	Arsenic (As)	[7440-38-2]	<50	ppm		
Indicative Value	Boron (B)	[7440-42-8]	~30	ppm		
Indicative Value	Bismuth (Bi)	[7440-69-9]	<50	ppm		
Indicative Value	Carbon (C)	[7440-44-0]	~17	ppm		
Indicative Value	Cadmium (Cd)	[7440-43-9]	~3	ppm		
Indicative Value	Cobalt (Co)	[7440-48-4]	<30	ppm		
Indicative Value	Chromium (Cr)	[7440-47-3]	<50	ppm		
Indicative Value	Copper (Cu)	[7440-50-8]	~96,5	%		
Indicative Value	Hydrogen (H)	[1333-74-0]	<10	ppm		
Indicative Value	Molybdenum (Mo)	[7439-98-7]	<50	ppm		
Indicative Value	Nitrogen (N)	[7727-37-9]	~6	ppm		
Indicative Value	Niobium (Nb)	[7440-03-1]	~12	ppm		
Indicative Value	Oxygen (O)	[7782-44-7]	~8	ppm		
Indicative Value	Phosphorus (P)	[7723-14-0]	<200	ppm		
Indicative Value	Lead (Pb)	[7439-92-1]	<70	ppm		
Indicative Value	Sulfur (S)	[7704-34-9]	~9	ppm		
Indicative Value	Antimony (Sb)	[7440-36-0]	<200	ppm		
Indicative Value	Selenium (Se)	[7782-49-2]	<100	ppm		

Indicative Value	Tin (Sn)	[7440-31-5]	<100	ppm
Indicative Value	Titanium (Ti)	[7440-32-6]	<50	ppm
Indicative Value	Vanadium (V)	[7440-62-2]	<10	ppm
Indicative Value	Tungsten (W)	[7440-33-7]	<10	ppm