

## **Copper Alloy, Certified Reference Material, Phosphor Bronze 5%, CDA 510 / C51000, Disc**

Art. ID	IARM-Cu510-18-X
Unit	disc
Deliverydetails	No Dangerous Good /not restricted

### Description

IARM-Cu510-18 is a phosphor bronze, which is commonly used for fasteners and spring components. It is also excellent for soldering and brazing applications and has high conductivity, which lends itself well to electrical connectors and other electronic usages.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified Value	Silver (Ag)	[7440-22-4]	0,0019 ± 0,003	%		
Certified Value	Carbon (C)	[7440-44-0]	0,0018 ± 0,009	%		
Certified Value	Copper (Cu)	[7440-50-8]	95,2 ± 0,3	%		
Certified Value	Nickel (Ni)	[7440-02-0]	0,017 ± 0,003	%		
Certified Value	Oxygen (O)	[7782-44-7]	0,0011 ± 0,0003	%		
Certified Value	Phosphorus (P)	[7723-14-0]	0,16 ± 0,06	%		
Certified Value	Lead (Pb)	[7439-92-1]	0,0027 ± 0,008	%		
Certified Value	Tin (Sn)	[7440-31-5]	4,54 ± 0,07	%		
Certified Value	Zinc (Zn)	[7440-66-6]	0,0034 ± 0,0007	%		
Indicative Value	Aluminium (Al)	[7429-90-5]	4	ppm		
Indicative Value	Arsenic (As)	[7440-38-2]	7	ppm		
Indicative Value	Boron (B)	[7440-42-8]	<3	ppm		
Indicative Value	Bismuth (Bi)	[7440-69-9]	6	ppm		
Indicative Value	Calcium (Ca)	[7440-70-2]	<8	ppm		
Indicative Value	Cadmium (Cd)	[7440-43-9]	<1	ppm		
Indicative Value	Cobalt (Co)	[7440-48-4]	<1	ppm		
Indicative Value	Chromium (Cr)	[7440-47-3]	<1	ppm		
Indicative Value	Iron (Fe)	[7439-89-6]	8	ppm		
Indicative Value	Hydrogen (H)	[1333-74-0]	<1	ppm		
Indicative Value	Magnesium (Mg)	[7439-95-4]	<10	ppm		
Indicative Value	Manganese (Mn)	[7439-96-5]	<10	ppm		
Indicative Value	Molybdenum (Mo)	[7439-98-7]	<10	ppm		
Indicative Value	Nitrogen (N)	[7727-37-9]	<10	ppm		
Indicative Value	Palladium (Pd)	[7440-05-3]	<1	ppm		
Indicative Value	Sulfur (S)	[7704-34-9]	20	ppm		
Indicative Value	Antimony (Sb)	[7440-36-0]	8	ppm		
Indicative Value	Selenium (Se)	[7782-49-2]	<14	ppm		
Indicative Value	Silicon (Si)	[7440-21-3]	<50	ppm		

Indicative Value	Tellurium (Te)	[13494-80-9]	<17	ppm
Indicative Value	Titanium (Ti)	[7440-32-6]	<10	ppm
Indicative Value	Vanadium (V)	[7440-62-2]	<120	ppm
Indicative Value	Tungsten (W)	[7440-33-7]	<1	ppm