

## **Copper Alloy, Certified Reference Material, CDA 955 / C95500, Disc**

Art. ID	IARM-Cu955-18-X
Unit	disc
Deliverydetails	No Dangerous Good /not restricted

### Description

IARM-Cu955-18 is a nickel aluminum bronze alloy. In addition to being another EPA-registered alloy for microbe resistance, it is one of the strongest non-ferrous alloys, thanks to its high Ni content. The high hardness rating and good corrosion resistance makes this a common choice for marine and aircraft parts, in addition to high wear and high impact applications.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified Value	Silver (Ag)	[7440-22-4]	0,0019 ± 0,0005	%		
Certified Value	Aluminium (Al)	[7429-90-5]	10,37 ± 0,08	%		
Certified Value	Cobalt (Co)	[7440-48-4]	0,0027 ± 0,0003	%		
Certified Value	Chromium (Cr)	[7440-47-3]	0,008 ± 0,001	%		
Certified Value	Copper (Cu)	[7440-50-8]	80,8 ± 0,5	%		
Certified Value	Iron (Fe)	[7439-89-6]	3,50 ± 0,07	%		
Certified Value	Manganese (Mn)	[7439-96-5]	0,77 ± 0,03	%		
Certified Value	Nickel (Ni)	[7440-02-0]	4,5 ± 0,2	%		
Certified Value	Phosphorus (P)	[7723-14-0]	0,013 ± 0,003	%		
Certified Value	Lead (Pb)	[7439-92-1]	0,006 ± 0,001	%		
Certified Value	Silicon (Si)	[7440-21-3]	0,022 ± 0,004	%		
Certified Value	Tin (Sn)	[7440-31-5]	0,0056 ± 0,0008	%		
Certified Value	Zinc (Zn)	[7440-66-6]	0,038 ± 0,002	%		
Indicative Value	Arsenic (As)	[7440-38-2]	20	ppm		
Indicative Value	Boron (B)	[7440-42-8]	30	ppm		
Indicative Value	Bismuth (Bi)	[7440-69-9]	5	ppm		
Indicative Value	Carbon (C)	[7440-44-0]	80	ppm		
Indicative Value	Calcium (Ca)	[7440-70-2]	20	ppm		
Indicative Value	Cadmium (Cd)	[7440-43-9]	3	ppm		
Indicative Value	Hydrogen (H)	[1333-74-0]	1	ppm		
Indicative Value	Magnesium (Mg)	[7439-95-4]	<5	ppm		
Indicative Value	Molybdenum (Mo)	[7439-98-7]	<5	ppm		
Indicative Value	Nitrogen (N)	[7727-37-9]	<10	ppm		
Indicative Value	Oxygen (O)	[7782-44-7]	10	ppm		
Indicative Value	Palladium (Pd)	[7440-05-3]	<1	ppm		
Indicative Value	Sulfur (S)	[7704-34-9]	12	ppm		
Indicative Value	Antimony (Sb)	[7440-36-0]	20	ppm		

Indicative Value	Selenium (Se)	[7782-49-2]	<10	ppm
Indicative Value	Titanium (Ti)	[7440-32-6]	<10	ppm
Indicative Value	Vanadium (V)	[7440-62-2]	<50	ppm
Indicative Value	Zirconium (Zr)	[7440-67-7]	<10	ppm