

## **Copper Alloy, Certified Reference Material, Monel 450, CDA 715, UNS C71500, Chips**

Art. ID	IARM-Cu715-20-C
Unit	100 g (chips)
Deliverydetails	No Dangerous Good /not restricted

### Description

The Monel 450 (IARM-Cu715-20) copper-nickel alloy is known for its superior corrosion resistance, especially in seawater. Typical uses for this alloy include seawater condenser, saltwater piping and other distiller/condenser parts which benefit from the corrosion resistance inherent in this alloy.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified Value	Carbon (C)	[7440-44-0]	0,005 ± 0,002	%		
Certified Value	Cobalt (Co)	[7440-48-4]	0,004 ± 0,003	%		
Certified Value	Copper (Cu)	[7440-50-8]	67,4 ± 0,4	%		
Certified Value	Iron (Fe)	[7439-89-6]	0,51 ± 0,01	%		
Certified Value	Magnesium (Mg)	[7439-95-4]	0,005 ± 0,002	%		
Certified Value	Manganese (Mn)	[7439-96-5]	0,8 ± 0,01	%		
Certified Value	Nickel (Ni)	[7440-02-0]	31 ± 0,2	%		
Certified Value	Phosphorus (P)	[7723-14-0]	0,009 ± 0,002	%		
Certified Value	Sulfur (S)	[7704-34-9]	0,002 ± 0,001	%		
Certified Value	Silicon (Si)	[7440-21-3]	0,09 ± 0,01	%		
Certified Value	Tin (Sn)	[7440-31-5]	0,004 ± 0,003	%		
Certified Value	Titanium (Ti)	[7440-32-6]	0,073 ± 0,003	%		
Indicative Value	Silver (Ag)	[7440-22-4]	~10	%		
Indicative Value	Aluminium (Al)	[7429-90-5]	~40	%		
Indicative Value	Arsenic (As)	[7440-38-2]	~100	%		
Indicative Value	Boron (B)	[7440-42-8]	<50	%		
Indicative Value	Bismuth (Bi)	[7440-69-9]	~40	%		
Indicative Value	Cadmium (Cd)	[7440-43-9]	<50	%		
Indicative Value	Chromium (Cr)	[7440-47-3]	~20	%		
Indicative Value	Hydrogen (H)	[1333-74-0]	<10	%		
Indicative Value	Molybdenum (Mo)	[7439-98-7]	<50	%		
Indicative Value	Nitrogen (N)	[7727-37-9]	~10	%		
Indicative Value	Niobium (Nb)	[7440-03-1]	<50	%		
Indicative Value	Oxygen (O)	[7782-44-7]	~10	%		
Indicative Value	Lead (Pb)	[7439-92-1]	~10	%		
Indicative Value	Antimony (Sb)	[7440-36-0]	~10	%		
Indicative Value	Selenium (Se)	[7782-49-2]	<50	%		
Indicative Value	Tellurium (Te)	[13494-80-9]	<20	%		

Indicative Value	Vanadium (V)	[7440-62-2]	<50	%
Indicative Value	Zinc (Zn)	[7440-66-6]	~70	%
Indicative Value	Zirconium (Zr)	[7440-67-7]	<50	%