



CHEMICAL COMPOSITION

MATERIAL: Virgin Copper
TRADE NAME: Pure Copper Cathode
ASTM SPEC. #: ASTM B 115 Grade 1
CROSS REF: N/A

		Min.	Max.
Cu	Copper -----	Balance	
Sb	Antimony ----		<0.0005
Bi	Bismuth-----		<0.0001
Sn	Tin -----		<0.001
Pb	Lead -----		<0.0008
Fe	Iron -----		<0.0015
As	Arsenic -----		<0.0005
Zn	Zinc -----		<0.0010
Ni	Nickel -----		<0.0010
S	Sulfur -----		<0.0025

** The above lab report is a typical analysis of the material

Packaging Options

- Drums - 250 lbs, 500 lbs, & 1,000 lbs
- Gaylord - 2,204 lbs.

OTHER COPPER PRODUCTS

- Hi-Phos Nuggets- 1/2", 7/8", & 1"
- Bars - 1" x 4" x length
- Ovals - 1.5" x 3" x length

CERTIFICATION

- Only 100% virgin metals in our process
- Chemical analysis provided w/shipment
- Lab service available for pot samples

SPEC NO: Pure Copper Cathode
 Rev: 3 Date: 2015
 Approved By:
 Ben Etherington; VP, Operations

PHYSICAL PROPERTIES

Melting Point (F°)- 1981
Melting Point (C°) - 1083
Boiling Point (F°)- 4652
Boiling Point (C°) - 2567
Density (lbs/in³) - 0.324
Specific Gravity (g/m³) - 8.94
Brinell Hardness - 874 MPa
Mohs Hardness - 3.00 MPa
Vickers Hardness- 369 MPa

Please direct your sales and technical inquires to (215) 821-8461

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