Certificate of Analysis

CofA

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Rev.0 Issue Date: 04-03-2026

Product Specification: Water atomized copper is a versatile material with an irregular shape, obtained through a water atomization process.

Product features: Its diverse applications include welding, high-performance composites, electronics, industrial additives, protective coatings, molding, and sintering. Due to its unique properties, powdered copper is widely used in various industrial sectors.

Norm: ISO 3677:2024 B-Cu100-1085

Chemical Composition:

Element:	Unit:	Min %	Max %
Cu	%	99.60	100.00
Al	%	0.000	0.010
Pb	%	0.000	0.025
Cd	%	0.000	0.010

Particle Size Distribution:

Range (µm)	Min (%)	Max (%)
>63	0.00	5.00
>53 <63	0.00	15.00
>38 <53	15.00	35.00
<38	45.00	85.00

Physical Properties:

Working temperature:	1085 (°C)	
Melting range:	1085 - 1085 (°C)	
Tensile strength:	205 - 360 (MPa)	
Bulk density:	2,50 - 3,50 (g/cm³)	ISO 3923-2:1981
Morphology:	Irregular	