

PRODUCT STANDARDS, CERTIFICATIONS & DISCLAIMER

Cerro Flow Products LLC manufactures UNS C12200 copper tubing in Sauget, IL USA. CerroTube® by Cerro is seamless and of UNS C12200 alloy copper meeting specifications that require a minimum copper content of 99.9% and phosphorus content between .015 to .040%. CerroTube® is produced in compliance with the applicable chemical, mechanical, and cleanliness of the applicable standards listed below:

ASTM B88 Standard Specification for Seamless Copper Water Tube

ASTM B280 Standard Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service

ASTM B306 Standard Specification for Copper Drainage Tube (DWV)

CerroTube® Seamless Copper Water Tube Types K, L & M meets additional standards for water distribution products and materials including:

NSF/ANSI/CAN 61-G Certification provided by NSF and Water Quality Association's (WQA) Gold Seal Certification Program. NSF/ANSI/CAN 61 is a public consensus standard, which establishes minimum criteria for evaluating the health effects of materials, components, products, and systems in contact with drinking water.



IMPORTANT NOTE by NSF: *“Use of this material may not be appropriate in all water chemistries. Copper Tube may require corrosion control to limit the leaching of copper into drinking water under certain water chemistries. Refer to Informative Annex I-6.1 of NSF/ANSI/CAN 61 for the water quality considerations to be used before installing this product.”* <https://www.nsf.org/certified-products-systems>

IMPORTANT NOTE by WQA: *“Certified by WQA against NSF/ANSI/CAN 61-G, and WQA’s ORD0902 for “lead free” compliance. Copper tube (Alloy CU12200) has been evaluated by WQA to NSF/ANSI/CAN 61-G for use in drinking water supplies of pH 6.5 and above. Drinking water supplies that are less than pH 6.5 may require corrosion control to limit leaching of copper into the drinking water. Some water supplies may be corrosive to copper and in these cases water treatment may be necessary.”* <https://find.wqa.org/find-products#/>

Certification to ORD0902 demonstrates compliance to the following: • California Health and Safety Code Section 116875 definition of “lead free” (A.K.A. NSF/ANSI 61 – Annex G, AB 1953) The Other Recognized Document (ORD), ORD0902, was established by WQA to compile the minimum requirements for the evaluation of lead content in drinking water products, material, and components for compliance to laws, regulations, or other restrictions for lead content. ORD0902 combines the lead content calculations from NSF/ANSI 61 - Annex G and the testing protocol established by the California Department of Toxic Substances. Certification to ORD0902 demonstrates compliance to the following: • California Health and Safety Code Section 116875 definition of “lead free” (A.K.A. NSF/ANSI 61 – Annex G, AB 1953), and • Vermont’s lead in consumer products law, 9 V.S.A., Chapter 63, Subchapter 1C, and • Any other law, regulation, or restriction on lead content that may use the same calculations and testing protocol to demonstrate “lead free” compliance

IMPORTANT NOTE by CERRO: *Copper Tube (Alloy C12200) has been evaluated by NSF/ANSI/CAN Standard 61 for use in drinking water supplies of pH 6.5 and above. Drinking water supplies that are less than pH 6.5 may require corrosion control to limit leaching of copper into the drinking water.*

UL, LLC: Cerro is authorized to mark Refrigeration Tube by **UL, LLC** as a “Tubing, Refrigerant – Component” constructed, tested and found to be in compliance with the requirements of:

UL 207, "Refrigerant-Containing Components and Accessories, Nonelectrical”

UL 1963, "Refrigerant Recovery/Recycling Equipment.”

Certified for USA and Canada.



CerroPure® tube for Oxygen & Medical Service Tube in Hard Drawn Straight Lengths Types K & L, cleaned, capped, and marked for Oxygen/Medical Gas service meets the following Standards:

ASTM B819 Standard Specification for Seamless Copper Tube for Medical Gas Systems

ASTM G93 Standard Guide for Cleanliness Levels and Cleaning Methods for Materials and Equipment Used in Oxygen-Enriched Environments.

CGA G4.1 (Compressed Gas Association); Cleaning of Equipment for Oxygen Service – Paragraph 6: Cleaning Methods, Paragraph 9: Acceptable Contamination Levels, and Paragraph 10: Packaging and Maintaining Cleanliness.

NFPA 99 Health Care Facilities Code.

CSA Z305.1/Z7396.1 Medical Gas Pipeline Systems – Part 1: Pipelines for Medical Gases, Medical Vacuum, Medical Support Gases, and Anaesthetic Gas Scavenging Systems

All of Cerro Flow Product LLC’s copper tube products meet these other Standards, Certifications & Directives indicated below:

Declaration of Conformity (DoC) – RoHS

Cerro Flow Products LLC declares with limitations set forth that CerroTube® products comprised of UNS C12200 copper alloy, comply with RoHS Directives as described in more detail under separate cover available at www.cerro.com

Declaration of Conformity to European Union Directive 1907/2006 REACH (SVHC 235)

Cerro Flow Products LLC’s Declaration of Conformity represents that all duties under the European Union regulation no. 1907/2006 Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) have been fulfilled; including the disclosure of Substances of Very High Concern (SVHC) according to Article 33. Additional details are available under separate cover at www.cerro.com

Buy American / Build America Act:

Cerro certifies that Cerro Plumbing’s Construction Materials* and Cerro Industrial’s Manufactured Products* are made in the United States of America. Cerro hereby certifies that our Construction Materials and Manufactured Products comply with the applicable provisions of the American Recovery and Reinvestment Act of 2009 – “Buy America Act (BAA)” provision of 49 U.S.C. 5323(j) and Code of Federal Regulations 49 C.F.R. Part 661.5

Additional details are available under separate cover at www.cerro.com

Cerro Flow Products LLC manufactures copper tubing using both recycled scrap and copper cathode.

Cerro’s Copper Safety Data Sheet (SDS) and Health Product Declaration (HPD) are available at www.cerro.com

Although Cerro Flow Products LLC strives to meet all requirements specified in ASTM, standard tubing may not fully meet the dimensional requirements of the applicable ASTM standard. Standard tubing will be provided unless special order “Dimensionally Certified Tube” is clearly requested in advance on the Purchase Order. If your project application requires critical specified tube tolerances, third party “Certified Tubing” (manufactured to ASTM B-75), is available at an additional cost.

Copper tube manufactured by Cerro Flow Products LLC does not contain mercury or come in contact with mercury, mercury compounds or mercury containing devices at any stage in manufacturing, inspection, packaging or shipping.

The information presented on this sheet is correct at the time of publication. Nov 2024

- END -