

Cuprous Oxide, red

Technical active ingredient, 88 % copper

Cu_2O CAS No. 1317-39-1

The product conforms to the ASTM – Specification D 912 – 81 (1999).

Cuprous oxide as manufactured by Spiess-Urania Chemicals is a lump free red powder, fully complying with ASTM Specifications requirements. Levels of process related impurities are remarkably low.

Cuprous oxide 88 %, technical active ingredient (plus stabiliser agent) is used as an active ingredient for antifouling paints.

Test property

Parameter	Method	Unit	Value
Cuprous oxide, Cu_2O	ASTM method D 283-84	%	≥ 97
Total copper, calculated as Cu	ASTM method D 283-84	%	≥ 86
Total reducing power as cuprous oxide, Cu_2O	ASTM method D 283-84	%	≥ 97
Cupric oxide, CuO	ASTM method D 283-84	%	≤ 1
Metals other than copper	ASTM method D 283-84	%	≤ 0.5
Combined chlorides, calculated as Cl, and sulfates, calculated as SO_4	ASTM method D 283-84	%	≤ 0.5
Acetone-soluble matter	ASTM method D 283-84	%	≤ 0.5
Stability, decrease in total reducing power after stability test	ASTM method D 283-84	%	≤ 2,0
Coarse particles (total residue retained on a No. 325 (45 μm) sieve)	ASTM method D 185-84	%	≤ 0.5
Total nitric acid insoluble residue on a No. 200 (75 μm) sieve	ASTM method D 283-84	%	≤ 0.1

Packaging 25 kg paper bags, PE-lined, palletized on 1000 kg per pallet, shrink-wrapped
 25 kg plastic bags, PE-lined, palletized on 500 or 1000 kg per pallet, shrink-wrapped
 500 kg big-bags (also available in antistatic conducting version), double-deck palletized on 1000 kg per pallet, shrink-wrapped
 1000 kg big-bags (also available in antistatic conducting version), palletized, shrink-wrapped

The above data are checked on regular basis according to our Quality Management Procedures. This does not relieve the purchaser from inspection of goods upon delivery. Data are given as a technical description of this product and does not constitute expressed warranties in legal terms.

Created	Checked	Enabled	Version
Analytic/ Quality Assurance Manager	Head of Production	Technical Manager Copper Salts	3.88.2
U. Warncke	C. Kiebert	H. Thierbach	
November 25 th , 2009	November 26 th , 2009	November 26 th , 2009	