

CO0092 Copper(II) acetate monohydrate, EssentQ®



assay (iodometric) min. 99 %	nickel (Ni) max. 0,02 %
insoluble in water max. 0,02 %	zinc (Zn) max. 0,01 %
pH (5 %, H ₂ O) 5 - 6	
chlorides (Cl) max. 0,01 %	
sulfates (SO ₄) max. 0,01 %	
iron (Fe) max. 0,005 %	
lead (Pb) max. 0,01 %	

ART. NO.	VOLUME	CONTAINER
CO00920500	500 g	Ⓟ
CO00921000	1 kg	Ⓟ
CO0092005P	5 kg	Ⓟ
CO0092025P	25 kg	Ⓟ

CO0095 Copper(II) acetate monohydrate, ExpertQ®, for analysis, ACS, Reag. Ph Eur



assay (iodometric) 99 - 102 %	magnesium (Mg) max. 0,001 %
insoluble in diluted CH ₃ COOH max. 0,01 %	nickel (Ni) max. 0,002 %
chlorides (Cl) max. 0,001 %	potassium (K) max. 0,01 %
sulfates (SO ₄) max. 0,005 %	sodium (Na) max. 0,01 %
total nitrogen (as N) max. 0,01 %	zinc (Zn) max. 0,002 %
calcium (Ca) max. 0,005 %	
iron (Fe) max. 0,002 %	
lead (Pb) max. 0,004 %	

ART. NO.	VOLUME	CONTAINER
CO00950250	250 g	Ⓟ
CO00950500	500 g	Ⓟ
CO00951000	1 kg	Ⓟ
CO0095005P	5 kg	Ⓟ
CO0095025P	25 kg	Ⓟ

COPPER(II) CHLORIDE

CO0097 Copper(I) chloride, ExpertQ®, for analysis, ACS



- Synonyms: Copper monochloride
- CuCl
- M = 98,99 g/mol
- CAS [7758-89-6]
- EINECS-No.: 231-842-9
- Solub. in water: (25 °C): 0,06 g/l
- Melting point: 422 °C
- Boiling point: 1366 °C
- LD 50 (oral, rat): 140 mg/kg
- EC-Index-No.: 029-001-00-4
- ADR: 8 C2 III UN 2802
- IMDG: 8 III UN 2802
- IATA/ICAO: 8 III UN 2802
- GHS-signal word: Warning
- GHS-H sentences: H400 - H410 - H302
- GHS-P sentences: P273 - P264 - P270 - P330 - P391 - P501a
- Tariff number: 2827 39 80 10
- Applications: analytical chemistry, for the detection of: arsenic and antimony hydrides, for the absorption of carbon monoxide, laboratory reagent.
- Appearance: Light green crystalline powder

assay (iodometric) min. 97 %
identity (IR-spectrum) passes test
insoluble in acid max. 0,02 %
sulfates (SO ₄) max. 0,05 %
arsenic (As) max. 1 ppm
calcium (Ca) max. 0,01 %
iron (Fe) max. 0,005 %
lead (Pb) max. 0,02 %
potassium (K) max. 0,02 %
sodium (Na) max. 0,05 %

ART. NO.	VOLUME	CONTAINER
CO00970250	250 g	Ⓟ

COPPER(II) CHLORIDE DIHYDRATE

- Synonyms: Copper dichloride dihydrate
- CuCl₂·2H₂O
- M = 170,48 g/mol
- CAS [10125-13-0]
- EINECS-No.: 231-210-2
- Solub. in water: (20 °C): soluble
- Melting point: ~ 100 °C
- LD 50 (oral, rat): 584 mg/kg (anhydrous substance)
- ADR: 8 C2 III UN 2802
- IMDG: 8 III UN 2802
- IATA/ICAO: 8 III UN 2802
- GHS-signal word: Warning
- GHS-H sentences: H400 - H411 - H302 + H312 - H315 - H318 - H335
- GHS-P sentences: P261 - P280 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2827 39 80 90
- Applications: catalyst, invisible ink, analytical chemistry.
- Appearance: Blue crystals

- GHS-P sentences: P261 - P280 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2827 39 80 90
- Applications: catalyst, invisible ink, analytical chemistry.
- Appearance: Blue crystals

CO0100 Copper(II) chloride dihydrate, extra pure, Phampur®, USP



assay (iodometric, referred to dried sample) 99,0 - 100,5 %	potassium (K) max. 0,01 %
identification passes test	sodium (Na) max. 0,02 %
insoluble matter max. 0,01 %	loss on drying (105 °C, 16 h) 20,9 - 21,4 %
sulfates (SO ₄) max. 0,005 %	Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
calcium (Ca) max. 0,005 %	Residual solvents are analysed according to guideline CPMP/ICH/283/95.
iron (Fe) max. 0,005 %	
nickel (Ni) max. 0,01 %	

ART. NO.	VOLUME	CONTAINER
CO01000500	500 g	Ⓟ
CO01001000	1 kg	Ⓟ
CO0100005P	5 kg	Ⓟ
CO0100025P	25 kg	Ⓟ

CO0112 Copper(II) chloride dihydrate, ExpertQ®, for analysis, ACS



assay (iodometric) min. 99,0 %	calcium (Ca) max. 0,005 %
identity (IR-spectrum) passes test	iron (Fe) max. 0,003 %
insoluble matter max. 0,01 %	lead (Pb) max. 0,004 %
pH (5 %, H ₂ O) 3,0 - 3,8	nickel (Ni) max. 0,001 %
nitrites (NO ₂) max. 0,015 %	potassium (K) max. 0,01 %
sulfates (SO ₄) max. 0,005 %	sodium (Na) max. 0,02 %
arsenic (As) max. 1 ppm	

ART. NO.	VOLUME	CONTAINER
CO01120100	100 g	Ⓟ
CO01121000	1 kg	Ⓟ
CO0112005P	5 kg	Ⓟ