






AC0720 Citric acid monohydrate, extra pure, Pharpur®, Ph Eur, BP, USP 

assay (acidimetric, referred to dried sample) 99,5 - 100,5 %
 identification passes test
 appearance of solution passes test
 clarity of solution passes test
 colour of solution passes test
 sulfates (SO₄) max. 150 ppm
 oxalic acid (C₂H₂O₄) max. 360 ppm





readily carbonizable substances passes test
 residue on ignition max. 0,05 %
 water (K.F.) 7,5 - 9,0 %
 Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
 Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
AC07200500	500 g	
AC07201000	1 kg	
AC0720005P	5 kg	
AC0720025P	25 kg	

AC0725 Citric acid monohydrate, ExpertQ®, for analysis, ACS, ISO, Reag. Ph Eur 

assay (acidimetric) 99,5 - 100,5 %
 assay (acidimetric, referred to dried sample) 99,5 - 100,5 %
 identity (IR-spectrum) passes test
 appearance of solution passes test
 insoluble in water max. 0,005 %
 chlorides (Cl) max. 5 ppm
 phosphates (as PO₄) max. 0,001 %
 oxalates (C₂O₄) passes test
 sulfates (SO₄) max. 0,002 %

oxalic acid (C₂H₂O₄) max. 360 ppm
 sulphur compounds (as SO₄) max. 0,002 %
 copper (Cu) max. 5 ppm
 iron (Fe) max. 3 ppm
 lead (Pb) max. 2 ppm
 readily carbonizable substances passes test
 residue on ignition max. 0,02 %
 water (K.F.) 7,5 - 9,0 %
 suitability for determination of Fe passes test

ART. NO.	VOLUME	CONTAINER
AC07250500	500 g	
AC07251000	1 kg	
AC0725005P	5 kg	
AC0725025P	25 kg	

COBALT(II) CHLORIDE HEXAHYDRATE

- CoCl₂·6H₂O
- M = 237,93 g/mol
- CAS [7791-13-1]
- EINECS-No.: 231-589-4
- Solub. in water: (20 °C): 76 g/l
- Melting point: 56 °C
- LD 50 (oral, rat): 766 mg/kg






- EC-Index-No.: 027-004-00-5
- ADR: 6.1 T5 III UN 3288
- IMDG: 6.1 III UN 3288
- IATA/ICAO: 6.1 III UN 3288
- GHS-signal word: Danger
- GHS-H sentences: H334 - H350 - H400 - H410 - H302 - H317

- GHS-P sentences: P285 - P261 - P280 - P321 - P405 - P501a
- Tariff number: 2827 34 00 00
- Applications: analytical chemistry, laboratory reagent, invisible ink.
- Appearance: Violet solid

CO0025 Cobalt(II) chloride hexahydrate, EssentQ®   

assay (complexometric) min. 98 %
 identity (IR-spectrum) passes test
 insoluble in water max. 0,01 %
 sulfates (SO₄) max. 0,007 %
 copper (Cu) max. 0,005 %
 iron (Fe) max. 0,005 %
 lead (Pb) max. 0,002 %
 nickel (Ni) max. 0,15 %



zinc (Zn) max. 0,05 %
 non precipitable with (NH₄)₂S (as SO₄) max. 0,3 %

ART. NO.	VOLUME	CONTAINER
CO00250100	100 g	
CO00250500	500 g	
CO00251000	1 kg	
CO0025005P	5 kg	
CO0025025P	25 kg	

CO0027 Cobalt(II) chloride hexahydrate, ExpertQ®, for analysis, ACS, ISO, Reag. Ph Eur   

assay (complexometric) 99,0 - 102,0 %
 identity (IR-spectrum) passes test
 insoluble in water max. 0,01 %
 nitrates (NO₃) max. 0,01 %
 sulfates (SO₄) max. 0,005 %
 calcium (Ca) max. 0,005 %
 copper (Cu) max. 5 ppm
 iron (Fe) max. 0,005 %

lead (Pb) max. 5 ppm
 magnesium (Mg) max. 0,002 %
 manganese (Mn) max. 0,001 %
 nickel (Ni) max. 0,05 %
 potassium (K) max. 0,005 %
 sodium (Na) max. 0,01 %
 zinc (Zn) max. 0,002 %
 non precipitable with (NH₄)₂S (as SO₄) max. 0,25 %

ART. NO.	VOLUME	CONTAINER
CO00270250	250 g	
CO00271000	1 kg	
CO0027005P	5 kg	

COBALT(II) NITRATE HEXAHYDRATE

- Synonyms: Nitric acid cobalt salt hexahydrate
- Co(NO₃)₂·6H₂O
- M = 291,04 g/mol
- CAS [10026-22-9]
- EINECS-No.: 233-402-1
- Solub. in water: (20 °C): soluble
- Melting point: 57 °C

- LD 50 (oral, rat): 691 mg/kg
- ADR: 5.1 O2 II UN 1477
- IMDG: 5.1 II UN 1477
- IATA/ICAO: 5.1 II UN 1477
- GHS-signal word: Danger
- GHS-H sentences: H272 - H302 + H332 - H318 - H334 - H317 - H360F - H341 - H350i - H400 - H410

- GHS-P sentences: P221 - P210 - P220 - P321 - P405 - P501a
- Tariff number: 2834 29 20 00
- Applications: analytical chemistry, laboratory reagent, pigment, invisible ink.
- Appearance: Pink-red-brown crystalline powder