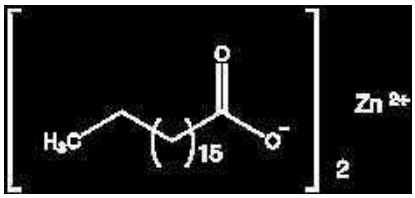
CI0200 Zinc oxide, ExpertQ®, for analysis, ACS, Reag. Ph Eur

assay (complexometric) . . . . . min. 99,0 %
assay (on ignited sample) . . . . . 99,0 - 100,5 %
identity (IR-spectrum) . . . . . .passes test
insoluble in diluted H_2SO_4 . . . . . .max. 0,01 %
carbonates and substances
insoluble in acid . . . . . .passes test
alkalinity . . . . . .passes test
chlorides (Cl) . . . . . .max. 0,001 %
nitrates (NO_3) . . . . . .max. 0,003 %
arsenic (As) . . . . . max. 1 ppm
cadmium (Cd) . . . . . max. 5 ppm
calcium (Ca) . . . . . .max. 0,001 %
copper (Cu) . . . . . max. 5 ppm
iron (Fe) . . . . . max. 5 ppm
lead (Pb) . . . . . .max. 0,002 %
magnesium (Mg) . . . . . .max. 0,005 %
manganese (Mn) . . . . . max. 5 ppm
potassium (K) . . . . . .max. 0,01 %
sodium (Na) . . . . . .max. 0,001 %
sulphur compounds (as SO_4) . . . . . .max. 0,01 %
residue on ignition (500 °C) . . . . . .max. 1,0 %

ART. NO.	VOLUME	CONTAINER
CI02000500	500 g	P
CI02001000	1 kg	P
CI0200005P	5 kg	P

ZINC STEARATE

CI0180 Zinc stearate, extra pure, Pharmpur®, Ph Eur, BP, USP



- Synonyms: Stearic acid zinc salt
- $C_{36}H_{70}O_4Zn$
- M = 632,33 g/mol
- CAS [557-05-1]
- EINECS-No.: 209-151-9
- Solub. in water: (20 °C): insoluble
- Melting point: 120 - 122 °C
- Ignition temp.: 435 °C
- LD 50 (oral, rat): > 5000 mg/kg
- Tariff number: 2915 70 30 00
- Applications: for pharmaceutical use, cosmetics, in lubricant compositions, antiseptic, in pharma industry.

assay (complexometric, as Zn) . . . . . 10,0 - 12,0 %
assay (complexometric, as ZnO) . . . . . 12,5 - 14,0 %
identification . . . . . .passes test
appearance of solution . . . . . .passes test
appearance of solution of fatty acids. . . . . .passes test
acidity or alkalinity . . . . . .passes test
acid value of the fatty acids . . . . . 195 - 210
chlorides (Cl) . . . . . max. 250 ppm
sulfates (SO_4) . . . . . .max. 0,6 %
alkali and alkaline earth metals . . . . . .max. 1,0 %
arsenic (As) . . . . . .max. 1,5 ppm
cadmium (Cd) . . . . . max. 5 ppm
lead (Pb) . . . . . max. 10 ppm
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
CI01800500	500 g	P
CI01801000	1 kg	P
CI0180005P	5 kg	P

ZINC SULFATE HEPTAHYDRATE

- Synonyms: Sulfuric acid zinc salt heptahydrate, Zinc vitriol
- $ZnSO_4 \cdot 7H_2O$
- M = 287,54 g/mol
- CAS [7446-20-0]
- EINECS-No.: 231-793-3
- Solub. in water: (20 °C): 960 g/l
- Melting point: ~ 40 °C (decomposes)
- LD 50 (oral, rat): 2150 mg/kg
- EC-Index-No.: 030-006-00-9
- ADR: 9 M7 III UN 3077
- IMDG: 9 III UN 3077
- IATA/ICAO: 9 III UN 3077
- GHS-signal word: Danger
- GHS-H sentences: H318 - H400 - H410 - H302
- GHS-P sentences: P280 - P273 - P264 - P270 - P305 + P351 + P338 - P501a
- Tariff number: 2833 29 20 00
- Applications: analytical chemistry, laboratory reagent, in galvanotechnia, for deproteinating blood and urine.

CI0206 Zinc sulfate heptahydrate, extra pure, Pharmpur®, Ph Eur, BP, USP

assay (complexometric) . . . . . 99,0 - 104,0 %
assay (complexometric, referred to dried sample) . . . . . 55,6 - 61,0 %
identification . . . . . .passes test
appearance of solution . . . . . .clear and colourless
acidity . . . . . .passes test
pH (5 %, H_2O) . . . . . 4,4 - 5,6
alkalies and alkaline earths . . . . . .max. 0,9 %
chlorides (Cl) . . . . . max. 300 ppm
arsenic (As) . . . . . max. 14 ppm
iron (Fe) . . . . . max. 100 ppm
lead (Pb) . . . . . max. 20 ppm
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
CI02060500	500 g	P
CI02061000	1 kg	P
CI0206005P	5 kg	P
CI0206025P	25 kg	P