

## ZINC

Cl0145 Zinc, powder, EssentQ®



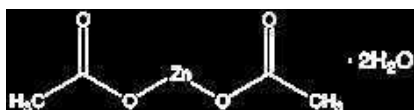
- Zn
- M = 65,38 g/mol
- CAS [7440-66-6]
- EINECS-No.: 231-175-3
- Solub. in water: (20 °C): hydrolysis reaction
- Melting point: 420 °C
- Boiling point: 908 °C
- Ignition temp.: 460 °C
- Vapour pressure: (487 °C) 1,33 hPa
- EC-Index-No.: 030-001-00-1
- ADR: 4.3 WS III UN 1436
- IMDG: 4.3 III UN 1436
- IATA/ICAO: 4.3 III UN 1436

- GHS-signal word: Danger
- GHS-H sentences: H250 - H260 - H400 - H410
- GHS-P sentences: P210 - P222 - P231 + P232 - P280 - P422a - P501a
- Tariff number: 7903 90 00 00
- Applications: analytical chemistry, laboratory reagent, electrical conductor, in galvanotechnology (corrosion inhibitor), electrolyte for batteries, metal alloys, reducing agent.
- Appearance: Grey powder

assay (complexometric) . . . . . min. 97 %  
insoluble in HCl . . . . . max. 0,05 %  
arsenic (As) . . . . . max. 0,0001 %  
cadmium (Cd) . . . . . max. 0,05 %  
iron (Fe) . . . . . max. 0,005 %  
lead (Pb) . . . . . max. 0,01 %

ART. NO.	VOLUME	CONTAINER
Cl01450500	500 g	P
Cl01451000	1 kg	P
Cl0145005P	5 kg	P

## ZINC ACETATE DIHYDRATE



- Synonyms: Acetic acid zinc salt dihydrate
- $Zn(CH_3COO)_2 \cdot 2H_2O$
- M = 219,49 g/mol
- CAS [5970-45-6]
- EINECS-No.: 209-170-2
- Solub. in water: (20 °C): 430 g/l
- Melting point: ~ 100 °C
- LD 50 (oral, rat): 794 mg/kg

- GHS-signal word: Warning
- GHS-H sentences: H302
- GHS-P sentences: P264 - P270 - P330 - P301 + P312 - P501a
- Tariff number: 2915 29 00 90
- Applications: analytical chemistry, laboratory reagent, for the detection of: urobilin.

Cl0150 Zinc acetate dihydrate, extra pure, Pharmapur®, Ph Eur, BP, USP



assay (complexometric) . . . . . 99,0 - 101,0 %  
identification . . . . . passes test  
appearance of solution . . . . . clear and colourless  
insoluble matter . . . . . max. 0,005 %  
pH (5 %, H<sub>2</sub>O) . . . . . 6,0 - 7,0  
chlorides (Cl) . . . . . max. 50 ppm  
sulfates (SO<sub>4</sub>) . . . . . max. 100 ppm  
aluminium (Al) . . . . . max. 5 ppm  
arsenic (As) . . . . . max. 2 ppm  
cadmium (Cd) . . . . . max. 2 ppm

copper (Cu) . . . . . max. 50 ppm  
iron (Fe) . . . . . max. 50 ppm  
lead (Pb) . . . . . max. 10 ppm  
alkali and alkaline-earth salts . . . . . max. 0,2 %  
reducing substances . . . . . passes test  
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
Cl01500500	500 g	P
Cl01501000	1 kg	P
Cl0150005P	5 kg	P
Cl0150025P	25 kg	P

Cl0151 Zinc acetate dihydrate, ExpertQ®, for analysis, ACS, Reag. Ph Eur



assay (complexometric) . . . . . 99,0 - 101,0 %  
identity (IR-spectrum) . . . . . passes test  
insoluble in water . . . . . max. 0,005 %  
pH (5 %, H<sub>2</sub>O) . . . . . 6,0 - 7,0  
chlorides (Cl) . . . . . max. 5 ppm  
sulfates (SO<sub>4</sub>) . . . . . max. 0,005 %  
cadmium (Cd) . . . . . max. 5 ppm

calcium (Ca) . . . . . max. 0,001 %  
copper (Cu) . . . . . max. 5 ppm  
iron (Fe) . . . . . max. 5 ppm  
lead (Pb) . . . . . max. 5 ppm  
magnesium (Mg) . . . . . max. 0,005 %  
potassium (K) . . . . . max. 0,01 %  
sodium (Na) . . . . . max. 0,001 %

ART. NO.	VOLUME	CONTAINER
Cl01510500	500 g	P
Cl01511000	1 kg	P
Cl0151005P	5 kg	P
Cl0151025P	25 kg	P

## ZINC CHLORIDE

- ZnCl<sub>2</sub>
- M = 136,28 g/mol
- CAS [7646-85-7]
- EINECS-No.: 231-592-0
- Solub. in water: (20 °C): soluble
- Melting point: 318 °C
- Boiling point: 730 °C

- LD 50 (oral, rat): 350 mg/kg
- EC-Index-No.: 030-003-00-2
- ADR: 8 C2 III UN 2331
- IMDG: 8 III UN 2331
- IATA/ICAO: 8 III UN 2331
- GHS-signal word: Danger
- GHS-H sentences: H314 - H400 - H410 - H302

- GHS-P sentences: P260 - P303 + P361 + P353 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2827 39 85 90
- Applications: analytical chemistry, laboratory reagent, catalyst, synthesis of organic products.
- Appearance: White crystalline powder

Cl0159 Zinc chloride, EssentQ®



assay (complexometric) . . . . . min. 97 %  
pH (10 %, H<sub>2</sub>O) . . . . . 4,6 - 5,5  
sulfates (SO<sub>4</sub>) . . . . . max. 0,05 %

iron (Fe) . . . . . max. 0,005 %

ART. NO.	VOLUME	CONTAINER
Cl01592500	2,5 kg	P