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CI0207 Zinc sulfate heptahydrate, ExpertQ®, for analysis, ACS, ISO, Reag. Ph Eur



assay (complexometric) 99,5 - 103,0 %
 identity (IR-spectrum) passes test
 appearance of solution clear and colourless
 insoluble in water max. 0,01 %
 pH (5 %, H₂O) 4,4 - 5,6
 chlorides (Cl) max. 5 ppm
 nitrates (NO₃) max. 0,002 %
 total nitrogen (as N) max. 0,001 %
 ammonium (NH₄) max. 0,001 %
 arsenic (As) max. 0,5 ppm

cadmium (Cd) max. 5 ppm
 calcium (Ca) max. 0,001 %
 copper (Cu) max. 5 ppm
 iron (Fe) max. 5 ppm
 lead (Pb) max. 0,001 %
 magnesium (Mg) max. 0,001 %
 manganese (Mn) max. 3 ppm
 potassium (K) max. 0,001 %
 sodium (Na) max. 0,001 %

ART. NO.	VOLUME	CONTAINER
CI0207025P	25 kg	
CI02070500	500 g	
CI02071000	1 kg	
CI0207005P	5 kg	

ZINC SULFATE MONOHYDRATE

CI0205 Zinc sulfate monohydrate, EssentQ®



- Synonyms: Sulfuric acid zinc salt monohydrate
- ZnSO₄·H₂O
- M = 179,45 g/mol
- CAS [7446-19-7]
- EINECS-No.: 231-793-3
- Solub. in water: (20 °C): ~ 350 g/l
- Melting point: ~ 740 °C (anhydrous substance)
- LD 50 (oral, rat): 2150 mg/kg (heptahydrate substance)
- 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: synthesis of organic products, in the pharmaceuticals industry, analytical chemistry, laboratory reagent, in galvanotechnia.

assay (complexometric) min. 98 %
 pH (5 %, H₂O) 4,4 - 6,0

ART. NO.	VOLUME	CONTAINER
CI02051000	1 kg	

ZINC SULFATE, VOLUMETRIC SOLUTIONS

CI0230 Zinc sulfate, solution 0,05 mol/l

- ZnSO₄·7H₂O
- M = 287,54 g/mol
- CAS [7446-20-0]
- EINECS-No.: 231-793-3
- Density: 1,00 g/cm³
- EC-Index-No.: 030-006-00-9
- GHS-H sentences: H412
- GHS-P sentences: P273 - P501a
- Tariff number: 2833 29 20 00
- Applications: analytical chemistry, laboratory reagent, titrant in volumetric analysis.

factor 0,999 - 1,001
 uncertainty ± 0,001
 1 ml = 0,00807 g ZnSO₄
 This volumetric solution was checked by means of potentiometric methods using an EDTA disodium salt standard solution, that was also checked against Scharlau's calcium carbonate volumetric standard. Scharlau's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

ART. NO.	VOLUME	CONTAINER
CI02301000	1 l	

CI0231 Zinc sulfate, solution 0,1 mol/l



- ZnSO₄·7H₂O
- M = 287,54 g/mol
- CAS [7446-20-0]
- EINECS-No.: 231-793-3
- Density: 1,01 g/cm³
- EC-Index-No.: 030-006-00-9
- GHS-signal word: Warning
- GHS-H sentences: H319 - H412
- GHS-P sentences: P280 - P273 - P264 - P305 + P351 + P338 - P337 + P313 - P501a
- Tariff number: 2833 29 20 00
- Applications: analytical chemistry, laboratory reagent, titrant in volumetric analysis.

factor 0,999 - 1,001
 uncertainty ± 0,001
 1 ml = 0,01614 g ZnSO₄
 This volumetric solution was checked by means of potentiometric methods using an EDTA disodium salt standard solution, that was also checked against Scharlau's calcium carbonate volumetric standard. Scharlau's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

ART. NO.	VOLUME	CONTAINER
CI02311000	1 l	