

TETRASODIUM DIPHOSPHATE DECAHYDRATE

SO0583 Tetrasodium diphosphate decahydrate, EssentQ®, Reag. Ph Eur

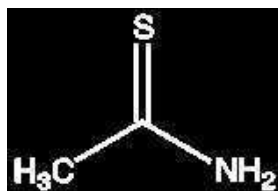
- Synonyms: Tetrasodium pyrophosphate, TSPP
- Na₂P₂O₇·10H₂O
- M = 446,06 g/mol
- CAS [13472-36-1]
- EINECS-No.: 231-767-1
- Solub. in water: (20 °C): ~ 60 g/l
- Melting point: ~ 79,5 °C
- Boiling point: 93,8 °C
- LD 50 (oral, rat): 4000 mg/kg (anhydrous substance)
- Tariff number: 2835 39 00 00
- Applications: analytical chemistry, laboratory reagent, in food industry (E 450), emulsifier, stabilizer, humectant.

assay (acidimetric) min. 99 %
 insoluble in water max. 0,025 %
 pH (5 %, H₂O) 9,5 - 10,8
 chlorides (Cl) max. 0,01 %
 nitrates (NO₃) max. 0,01 %
 ortho-phosphates (PO₄) max. 0,05 %
 sulfates (SO₄) max. 0,05 %
 arsenic (As) max. 3 ppm
 calcium (Ca) max. 0,05 %
 copper (Cu) max. 0,003 %
 iron (Fe) max. 0,003 %
 lead (Pb) max. 0,003 %
 magnesium (Mg) max. 0,05 %
 nickel (Ni) max. 0,003 %

Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
SO05830500	500 g	
SO05831000	1 kg	
SO0583005P	5 kg	

THIOACETAMIDE



- Synonyms: Ethanethioamide
- C₂H₅NS
- M = 75,13 g/mol
- CAS [62-55-5]
- EINECS-No.: 200-541-4
- Solub. in water: (25 °C): 163 g/l
- Melting point: 113 - 114 °C
- LD 50 (oral, rat): 301 mg/kg
- EC-Index-No.: 616-026-00-6

- GHS-signal word: Danger
- GHS-H sentences: H350 - H302 - H315 - H319 - H412
- GHS-P sentences: P280 - P281 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2930 90 99 99
- Applications: analytical chemistry, laboratory reagent, synthesis of organic products, precipitant for: heavy metals.

Ti0139 Thioacetamide, EssentQ®



assay (argentometric) min. 98 %
 identity (IR-spectrum) passes test
 residue on ignition max. 0,5 %

ART. NO.	VOLUME	CONTAINER
Ti01390250	250 g	

Ti0140 Thioacetamide, ExpertQ®, for analysis, ACS



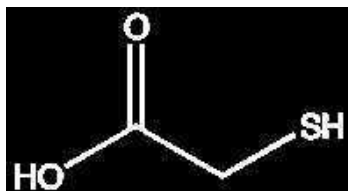
assay (argentometric) min. 99 %
 identity (IR-spectrum) passes test
 melting point 111 - 114 °C
 appearance of solution passes test

heavy metals (as Pb) max. 0,001 %
 residue on ignition max. 0,05 %
 iron (Fe) max. 5 ppm

ART. NO.	VOLUME	CONTAINER
Ti01400050	50 g	

THIOGLYCOLIC ACID, 80%

AC3080 Thioglycolic acid, solution 80% w/w, EssentQ®



- Synonyms: Mercaptoacetic acid
- C₂H₃O₂S
- M = 92,12 g/mol
- CAS [68-11-1]
- EINECS-No.: 200-677-4
- Density: 1,27 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -15 - -10 °C
- Flash pt. 126 °C (anhydrous substance)
- Vapour pressure: (20 °C) 0,1 hPa (anhydrous substance)
- Refraction index: (n 20 °C/D) 1,5030
- LD 50 (oral, rat): 73 mg/kg (anhydrous substance)
- EC-Index-No.: 607-090-00-6
- ADR: 8 C3 II UN 1940
- IMDG: 8 II UN 1940
- IATA/ICAO: 8 II UN 1940
- GHS-signal word: Danger
- GHS-H sentences: H301 - H311 - H331 - H314
- GHS-P sentences: P260 - P303 + P361 + P353 - P305 + P351 + P338 - P361 - P405 - P501a
- Tariff number: 2930 90 99 99
- Applications: analytical chemistry, laboratory reagent, reagent for metals detection (iron, tin, silver, molybdenum), for spectrophotometric determinations (for determination of: palladium).

assay (iodometric) 79 - 82 %
 density (20°/4°) 1,26 - 1,28
 copper (Cu) max. 5 ppm
 heavy metals (as Pb) max. 0,001 %
 iron (Fe) max. 5 ppm
 lead (Pb) max. 5 ppm
 nickel (Ni) max. 5 ppm
 sensitivity to iron passes test
 residue on ignition max. 0,03 %
 water (K.F.) 18 - 21 %

ART. NO.	VOLUME	CONTAINER
AC30800500	500 ml	
AC30801000	1 l	

A
B
C
D
E
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G
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L
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P
Q
R
S
T
U
V
W
X
Y
Z