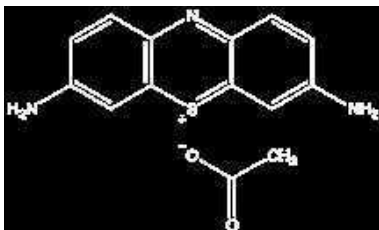


## THIONINE, C.I. 52000

T10250 Thionine, C.I. 52000, for microscopy

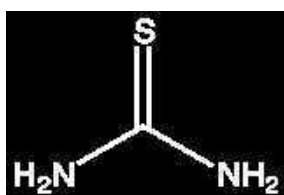


- Synonyms: Thionine (acetate), Lauth's violet
- $C_{14}H_{13}N_3O_2S$
- $M = 287,34 \text{ g/mol}$
- CAS [78338-22-4]
- Solub. in water: (25 °C): ~ 2,5 g/l
- Tariff number: 3204 19 00 90
- Applications: microscopy, indicator.

assay (spectrophotometric) . . . . . min. 85 %  
Absorption maximum  $\lambda$  (in  $H_2O$ ) . . . . . 598 - 600 nm  
Absorptivity ( $A1\%/1 \text{ cm}; 0,0005 \%$   
 $\lambda$  max,  $H_2O$ ) . . . . . 1740 - 2070  
related substances (TLC) . . . . . passes test  
loss on drying (110 °C) . . . . . max. 7 %  
suitability for microscopy . . . . . passes test

ART. NO.	VOLUME	CONTAINER
T102500025	25 g	0

## THIOUREA



- Synonyms: Thiocarbamide
- $CH_4N_2S$
- $M = 76,11 \text{ g/mol}$
- CAS [62-56-6]
- EINECS-No.: 200-543-5
- Solub. in water: (20 °C): 137 g/l
- Melting point: 171 - 184 °C
- Ignition temp.: 440 °C
- LD 50 (oral, rat): 1750 mg/kg
- EC-Index-No.: 612-082-00-0
- ADR: 9 M7 III UN 3077

- IMDG: 9 III UN 3077
- IATA/ICAO: 9 III UN 3077
- GHS-signal word: Warning
- GHS-H sentences: H351 - H361d - H302 - H411
- GHS-P sentences: P281 - P273 - P264 - P308 + P313 - P405 - P501a
- Tariff number: 2930 90 99 99
- Applications: analytical chemistry, laboratory reagent, synthesis of organic products, photography, manufacturing of synthetic resins, for the detection of: bismuth and selenium.

T10300 Thiourea, EssentQ®



assay (argentometric) . . . . . min. 98 %  
identity (IR-spectrum) . . . . . passes test  
sulfates ( $SO_4$ ) . . . . . max. 0,05 %  
copper (Cu) . . . . . max. 0,002 %

lead (Pb) . . . . . max. 0,002 %  
nickel (Ni) . . . . . max. 0,002 %  
iron (Fe) . . . . . max. 0,002 %  
residue on ignition . . . . . max. 0,1 %

ART. NO.	VOLUME	CONTAINER
T103000500	500 g	0
T103001000	1 kg	0

T10303 Thiourea, ExpertQ®, for analysis, ACS



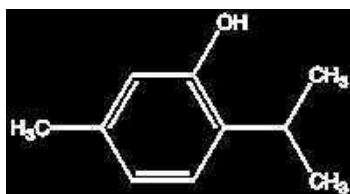
assay (argentometric, on dried base) . . . . . min. 99 %  
identity (IR-spectrum) . . . . . passes test  
solubility in water . . . . . passes test  
melting point . . . . . 174 - 177 °C

loss on drying (105 °C) . . . . . max. 0,5 %  
residue on ignition (800 °C) . . . . . max. 0,1 %  
sensitivity to bismuth . . . . . passes test

ART. NO.	VOLUME	CONTAINER
T103030500	500 g	0
T103031000	1 kg	0

## THYMOL

T10080 Thymol, extra pure, Pharmapur®, Ph Eur, BP, NF



- Synonyms: 5-Methyl-2-(1-methylethyl)phenol, 5-Methyl-2-isopropyl-1-phenol
- $C_{10}H_{14}O$
- $M = 150,22 \text{ g/mol}$
- CAS [89-83-8]
- EINECS-No.: 201-944-8
- Solub. in water: (25 °C): 0,98 g/l
- Melting point: 49 - 51 °C
- Boiling point: 233 °C
- Flash pt. 100 °C
- Ignition temp.: 285 °C
- Vapour pressure: (50 °C) 2,5 hPa
- LD 50 (oral, rat): 980 mg/kg
- EC-Index-No.: 604-032-00-1
- ADR: 8 C4 III UN 2430
- IMDG: 8 III UN 2430
- IATA/ICAO: 8 III UN 2430
- GHS-signal word: Danger
- GHS-H sentences: H314 - H302 - H411
- GHS-P sentences: P260 - P303 + P361 + P353 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2907 19 00 90
- Applications: for pharmaceutical use, antiseptic, disinfectant, cosmetics, manufacture of dyes, in pharma industry.

assay (G.C.) . . . . . min. 99 %  
identity (IR-spectrum) . . . . . passes test  
melting range . . . . . 48 - 51 °C  
appearance of solution . . . . . passes test  
acidity . . . . . passes test  
related substances (G.C.) . . . . . max. 1 %  
residue on evaporation . . . . . max. 0,05 %  
Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
T100800100	100 g	0
T100800500	500 g	0
T10080005P	5 kg	0