

ISO160 2,2,4-Trimethylpentane, ASTM

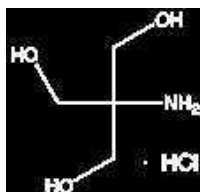


assay (G.C.)	min. 99,75 %	lead (Pb)	max. 0,002 g/gal
identity (IR-spectrum)passes test		
density (20°/4°)	0,691 - 0,693		
n-heptane (G.C.)	max. 0,1 %		

ART. NO.	VOLUME	CONTAINER
ISO160025A	25 l	
ISO160200L	200 l	

TRIS-HCL

TR0425 Tris-HCl, molecular biology grade



- Synonyms: Tris(hydroxymethyl)aminomethane hydrochloride
- C₄H₁₁NO₃·HCl
- M = 157,60 g/mol
- CAS [1185-53-1]
- EINECS-No.: 214-684-5
- Solub. in water: (20 °C): freely soluble
- Melting point: 150 °C
- LD 50 (oral, rat): 5900 mg/kg (free substance)
- Tariff number: 2922 19 80 90
- Applications: analytical chemistry, for biology, in buffer solutions.

assay (argentometric, on dried sample) min. 99 %
 absorbance of an aqueous solution
 10 % in a 1 cm cell at 260 nmmax. 0,05 AU
 absorbance of an aqueous solution
 10 % in a 1 cm cell at 280 nmmax. 0,05 AU
 heavy metals (as Pb)max. 2 ppm
 water (K.F.)max. 0,5 %
 DNases, RNases, Proteases non detected

ART. NO.	VOLUME	CONTAINER
TR04250100	100 g	
TR04251000	1 kg	
TR0425005P	5 kg	

TRIS-(HYDROXYMETHYL)-AMINOMETHANE



- Synonyms: 2-Amino-2-(hydroxymethyl)-1,3-propanediol, Tromethamine, THAM, TRIS buffer
- C₄H₁₁NO₃
- M = 121,14 g/mol
- CAS [77-86-1]
- EINECS-No.: 201-064-4
- Solub. in water: (20 °C): 800 g/l
- Melting point: 172 - 173 °C
- Boiling point: (13,3 hPa) 219 - 220 °C
- LD 50 (oral, rat): 5900 mg/kg

- GHS-signal word: Warning
- GHS-H sentences: H315 - H319
- GHS-P sentences: P280 - P305 + P351 + P338 - P321 - P362 - P332 + P313 - P337 + P313
- Tariff number: 2922 19 85 90
- Applications: analytical chemistry, in buffer solutions, in biochemistry, laboratory reagent, in the pharmaceuticals industry, emulsifier (cosmetics), for the synthesis of: tensoactives.

TR0422 Tris-(hydroxymethyl)-aminomethane, extra pure, Phampur®, Ph Eur, BP



assay (acidimetric, referred to dried sample)	99,0 - 100,5 %	iron (Fe)	max. 10 ppm
identificationpasses test	related substancespasses test
pH (5 %, H ₂ O)	10,0 - 11,5	residue on ignition	max. 0,1 %
appearance of solution	clear and colourless	loss on drying (105 °C)	max. 0,5 %
chlorides (Cl)	max. 0,01 %	Residual solvents are analysed according to guideline CPMP/ICH/283/95.	
heavy metals (as Pb)	max. 0,001 %		

ART. NO.	VOLUME	CONTAINER
TR04220250	250 g	
TR04221000	1 kg	
TR0422005P	5 kg	
TR0422025P	25 kg	

TR0423 Tris-(hydroxymethyl)-aminomethane, buffer subs., ExpertQ®, for analysis, ACS, Reag. Ph Eur



assay (acidimetric, on dried sample)	99,8 - 100,1 %	heavy metals (as Pb)	max. 5 ppm
assay (acidimetric, referred to dried sample)	99,0 - 100,5 %	iron (Fe)	max. 5 ppm
identificationpasses test	lead (Pb)	max. 0,1 ppm
appearance of solution	clear	magnesium (Mg)	max. 0,3 ppm
insoluble in water	max. 0,003 %	potassium (K)	max. 0,3 ppm
pH (5 %, H ₂ O)	10,3 - 10,9	sodium (Na)	max. 1 ppm
chlorides (Cl)	max. 0,0005 %	zinc (Zn)	max. 0,1 ppm
sulfates (SO ₄)	max. 0,0005 %	related substances (TLC)passes test
arsenic (As)	max. 0,2 ppm	loss on drying (105 °C)	max. 0,5 %
cadmium (Cd)	max. 0,1 ppm	residue on ignition	max. 0,1 %
calcium (Ca)	max. 1 ppm	water (K.F.)	max. 0,5 %
copper (Cu)	max. 0,1 ppm	absorbance (40 %, 1 cm, H ₂ O)	at wavelegth
		290 nm	max. 0,2 AU

ART. NO.	VOLUME	CONTAINER
TR04230100	100 g	
TR04230250	250 g	
TR04230500	500 g	
TR04231000	1 kg	
TR0423005P	5 kg	

TR0427 Tris-(hydroxymethyl)-aminomethane, secondary standard for volumetric titrations, Titrasure®



assay (on dried sample)	99,8 - 100,1 %	water (K.F.)	max. 2 %
absorbancepasses test		
insoluble in water	max. 0,005 %		
uncertainty	0,05%	Drying: Dry at room temperature for 24h in a vacuum desiccator over anhydrous magnesium perchlorate or equivalent	
heavy metals (as Pb)	max. 0,0005 %		
iron (Fe)	max. 0,0005 %		

ART. NO.	VOLUME	CONTAINER
TR04270080	80 g	