

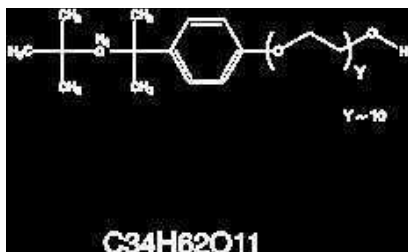
## TR0424 Tris-(hydroxymethyl)-aminomethane, molecular biology grade

assay (acidimetric, on dried sample) . . . . . min. 99 %  
 absorbance of an aqueous solution  
 10 % in a 1 cm cell at 260 nm . . . . . max. 0,03 AU  
 absorbance of an aqueous solution  
 10 % in a 1 cm cell at 280 nm . . . . . max. 0,02 AU  
 heavy metals (as Pb) . . . . . max. 2 ppm  
 water (K.F.) . . . . . max. 0,3 %

DNases, RNases, Proteases . . . . . non detected

ART. NO.	VOLUME	CONTAINER
TR04240100	100 g	
TR04240500	500 g	
TR04241000	1 kg	
TR0424005P	5 kg	

## TRITON® X-100



- Synonyms: Octylphenol decaethylene glycol ether, Polyethylene glycol mono [p-(1,1,3,3-tetramethylbutyl) phenyl] ether, Deca (ethylene glycol) mono-octyl-phenyl ether, Octoxynol
- C<sub>34</sub>H<sub>62</sub>O<sub>x</sub> (x ~ 11)
- M = 646,37 g/mol
- CAS [9002-93-1]
- Density: 1,07 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Melting point: 6 °C
- Boiling point: 270 °C
- Flash pt. 251 °C

- Vapour pressure: (20 °C) < 0,01 hPa
- LD 50 (oral, rat): 707 mg/kg
- GHS-signal word: Danger
- GHS-H sentences: H318 - H302
- GHS-P sentences: P280 - P264 - P270 - P305 + P351 + P338 - P330 - P501a
- Tariff number: 3402 13 00 90
- Applications: analytical chemistry, chromatography, tensioactive substances, detergent, emulsifier, for cellular membranes solubilisation.
- Appearance: Colourless to yellowish

## TR0444 Triton® X-100, EssentQ®

assay (iodometric) . . . . . min. 98 %  
 identity (IR-spectrum) . . . . . passes test  
 copper (Cu) . . . . . max. 0,003 %  
 iron (Fe) . . . . . max. 0,003 %

lead (Pb) . . . . . max. 0,003 %  
 residue on ignition . . . . . max. 0,5 %  
 nickel (Ni) . . . . . max. 0,003 %

ART. NO.	VOLUME	CONTAINER
TR04441000	1 l	
TR0444005P	5 l	

## TR0447 Triton® X-100, molecular biology grade

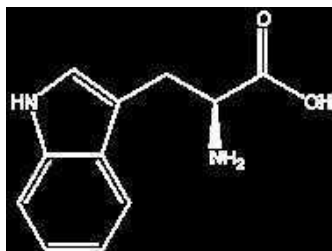
assay (iodometric) . . . . . min. 98 %  
 identity (IR-spectrum) . . . . . passes test  
 pH (1 %, H<sub>2</sub>O) . . . . . 6,0 - 8,0

DNases, RNases, Proteases . . . . . non detected

ART. NO.	VOLUME	CONTAINER
TR04470050	50 ml	

## L-TRYPTOPHAN

### TR0400 L-Tryptophan, extra pure, Pharmapur®, Ph Eur, BP, USP



- Synonyms: (S)-α-Amino-1H-indole-3-propanoic acid
- C<sub>11</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub>
- M = 204,23 g/mol
- CAS [73-22-3]
- EINECS-No.: 200-795-6
- Solub. in water: (20 °C): 10 g/l
- Melting point: 290 °C (decomposes)
- LD 50 (oral, rat): 16000 mg/kg
- Tariff number: 2933 99 80 90
- Applications: in biochemistry, for pharmaceutical use, for determination of proteins, in pharma industry.

assay (titr. with HClO<sub>4</sub>, referred to dried sample) . . . . . 98,5 - 101,0 %  
 identification . . . . . passes test  
 appearance of solution . . . . . passes test  
 pH (1%, H<sub>2</sub>O) . . . . . 5,5 - 7,0  
 chlorides (Cl) . . . . . max. 200 ppm  
 sulfates (SO<sub>4</sub>) . . . . . max. 300 ppm  
 ammonium (NH<sub>4</sub>) . . . . . max. 0,02 %  
 specific rotation ([α]<sub>D</sub><sup>20</sup>, c= 10, H<sub>2</sub>O) referred to dried sample) . . . . . -33,0 - -30,0  
 specific rotation ([α]<sub>D</sub><sup>25</sup>, c= 10, H<sub>2</sub>O) . . . . . -29,4 - -32,8  
 iron (Fe) . . . . . max. 20 ppm  
 ninhydrin-positive substances . . . . . passes test  
 related substances . . . . . passes test  
 residue on ignition . . . . . max. 0,1 %  
 loss on drying (105 °C) . . . . . max. 0,3 %  
 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
TR04000025	25 g	
TR04000100	100 g	