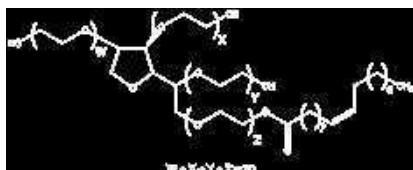


## TWEEN® 80

TW0080 Tween® 80, EssentQ®



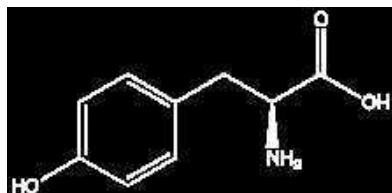
- Synonyms: Polysorbate
- $C_{24}H_{38}O_{26}$
- CAS [9005-65-6]
- EINECS-No.: 500-019-9
- Density: (25 °C) 1,07 g/cm<sup>3</sup>
- Solub. in water: (25 °C): miscible
- Boiling point: > 100 °C
- Flash pt. > 149 °C
- Ignition temp.: > 180 °C
- Vapour pressure: (20 °C) 38000 mg/kg
- Tariff number: 3402 13 00 90
- Applications: synthesis of organic products, for pharmaceutical use, cosmetics, emulsifier (in food industry), in pesticide compositions.

identity (IR-spectrum) ..... passes test  
density (20°/4°) ..... 1,073 - 1,083  
arsenic (As) ..... max. 1 ppm  
heavy metals (as Pb) ..... max. 0,001 %  
acidity index ..... .3  
hydroxyl number ..... 65 - 80  
iodine index ..... 18 - 24  
saponification index ..... 45 - 55  
residue on ignition ..... max. 0,2 %

ART. NO.	VOLUME	CONTAINER
TW00800100	100 ml	0
TW00800250	250 ml	0
TW00801000	1 l	0

## L-TYROSINE

T10325 L-Tyrosine, extra pure, Phampur®, Ph Eur, BP, USP



- Synonyms: 3-(4-Hydroxyphenyl)-L-alanine
- $C_9H_9NO_3$
- M = 181,19 g/mol
- CAS [60-18-4]
- EINECS-No.: 200-460-4
- Solub. in water: (20 °C): 0,38 g/l
- Melting point: 297 - 298 °C (decomposes)
- LD 50 (oral, rat): > 5110 mg/kg
- Tariff number: 2922 50 00 90
- Applications: in biochemistry, synthesis of organic products, for pharmaceutical use, for determination of proteins, in pharma industry.

assay (titr. with  $HClO_4$ , referred to dried sample) ..... 99,0 - 101,0 %  
identification ..... passes test  
appearance of solution ..... passes test  
specific rotation ( $[\alpha]_{20}^{D}$ , c = 5, HCl 1 mol/l, on dried sample) ..... - 12,3° - - 11,0°  
specific rotation ( $[\alpha]_{25}^{D}$ ; c=5, HCl 1N) ..... - 9,8° - - 11,2°  
chlorides (Cl) ..... max. 200 ppm  
sulfates ( $SO_4$ ) ..... max. 300 ppm  
ammonium ( $NH_4$ ) ..... max. 0,02 %  
iron (Fe) ..... max. 10 ppm  
ninhydrin-positive 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
T103250100	100 g	0

# Laboratory Glassware Scharlau

- High Quality
- According to ISO Standards
- Made in European Union

