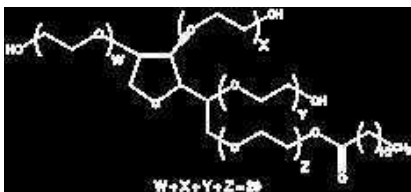


TWEEN® 20



- Synonyms: Polysorbate
- $C_{62}H_{124}O_{26}$
- $M = 1227,72 \text{ g/mol}$
- CAS [9005-64-5]
- EINECS-No.: 500-018-3
- Density: $1,11 \text{ g/cm}^3$
- Solub. in water: (25 °C): 100 g/l
- Boiling point: > 100 °C

- Flash pt. > 150 °C
- Vapour pressure: (20 °C) < 1,4 hPa
- LD 50 (oral, rat): 38900 mg/kg
- Tariff number: 3402 13 00 90
- Applications: laboratory reagent, synthesis of organic products, in food industry (E 432), emulsifier, stabilizer.

TW0020 Tween® 20, EssentQ®

identity (IR-spectrum) passes test
density (20°/4°) 1,095 - 1,105
acidity index. max. 3
hydroxyl number 96 - 108
saponification index. 40 - 50
residue on ignition max. 0,5 %

ART. NO.	VOLUME	CONTAINER
TW00200250	250 ml	0
TW00201000	1 l	0
TW0020005P	5 l	0

ART. NO.	VOLUME	CONTAINER
TW0020025P	25 l	0

TW0022 Tween® 20, molecular biology grade

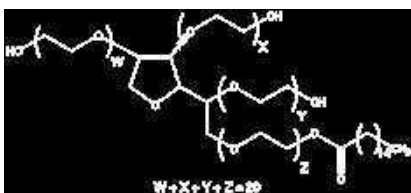
identity (IR-spectrum) passes test
hydroxyl index 96 - 108
saponification index. 40 - 50

DNases, RNases, Proteases non detected

ART. NO.	VOLUME	CONTAINER
TW00220100	100 ml	0

TWEEN® 40

TW0040 Tween® 40, EssentQ®



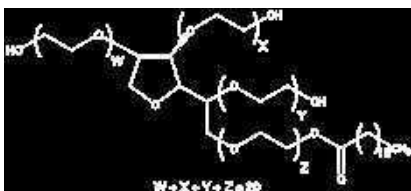
- Synonyms: Polysorbate
- $C_{62}H_{122}O_{26}$
- CAS [9005-66-7]
- Density: $1,09 \text{ g/cm}^3$
- Solub. in water: (20 °C): miscible
- LD 50 (oral, rat): 38000 mg/kg
- Tariff number: 3402 13 00 90
- Applications: synthesis of organic products, emulsifier, in pesticide compositions.

hydroxyl number 90-105
identity (IR-spectrum) passes test
saponification index. 41 - 52

ART. NO.	VOLUME	CONTAINER
TW00400250	250 ml	0

TWEEN® 60

TW0060 Tween® 60, EssentQ®



- Synonyms: Polysorbate
- $C_{64}H_{126}O_{26}$
- CAS [9005-67-8]
- EINECS-No.: 500-020-4
- Density: $1,08 \text{ g/cm}^3$
- Solub. in water: (25 °C): miscible
- Boiling point: > 100 °C
- Flash pt. > 149 °C
- Vapour pressure: (20 °C) 38000 mg/kg
- Tariff number: 3402 13 00 90
- Applications: laboratory reagent, synthesis of organic products, cosmetics, emulsifier, in pesticide compositions.
- Appearance: Viscous liquid

hydroxyl number 81 - 96
saponification index. 45 - 55

ART. NO.	VOLUME	CONTAINER
TW00600250	250 ml	0