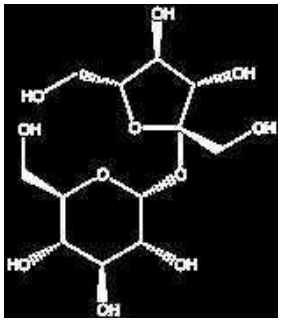
D(+)-SACCHAROSE



- Synonyms: Cane sugar, Sucrose
- $C_{12}H_{22}O_{11}$
- M = 342,30 g/mol
- CAS [57-50-1]
- EINECS-No.: 200-334-9
- Solub. in water: (20 °C): freely soluble
- Melting point: 169 - 170 °C
- LD 50 (oral, rat): 29700 mg/kg
- Tariff number: 1701 99 10 80
- Applications: analytical chemistry, for determination of proteins, in food industry, for pharmaceutical use, synthesis of organic products, in biochemistry, nutrient media for bacterial culture.

SA0020 D(+)-Saccharose, extra pure, Pharmpur®, Ph Eur, BP, NF

identification . . . . . .passes test
appearance of solution . . . . . .passes test
colour value . . . . . max. 45
conductivity (20°C) . . . . . .max. 35 µS·cm^{-1}
specific rotation ([α]20°/ D;
c=260, H_2O) . . . . . + 66,3° - + 67,0°
sulfite . . . . . .passes test
sulfites (as SO_2) . . . . . max. 10 ppm
reducing sugars. . . . . .passes test
loss on drying (105°C, 3 h). . . . . max. 0,1 %
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
SA00200500	500 g	P
SA00201000	1 kg	P
SA0020005P	5 kg	P
SA0020025P	25 kg	P

SA0021 D(+)-Saccharose, ExpertQ®, for analysis, Reag. Ph Eur

identity (IR-spectrum) . . . . . .passes test
appearance of solution . . . . . clear
conductivity (20°C) . . . . . .max. 35 µS·cm^{-1}
specific rotation ([α]20°/ D;
c=260, H_2O) . . . . . + 66,3° - + 67,0°
colour value . . . . . max. 45
reducing sugars. . . . . .passes test
sulfites (as SO_2) . . . . . max. 10 ppm
loss on drying (105°C, 3 h). . . . . max. 0,1 %

ART. NO.	VOLUME	CONTAINER
SA00210500	500 g	P
SA00211000	1 kg	P
SA0021005P	5 kg	P
SA0021025P	25 kg	P

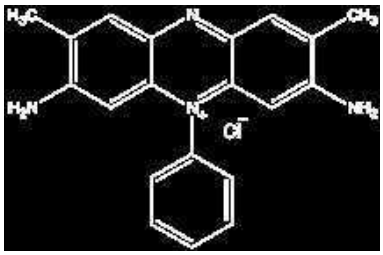
SU0030 D(+)-Saccharose (sucrose), molecular biology grade

identity (IR-spectrum) . . . . . .passes test
specific rotation ([α]20°/ D;
c = 26, H_2O) . . . . . + 66,2° - + 66,8 °
absorbance of an aqueous solution
(50 %) in a 1 cm cell at 260 nm . . . . . .max. 0,20 AU
absorbance of an aqueous solution
(50 %) in a 1 cm cell at 280 nm . . . . . max. 0,15 AU
heavy metals (as Pb) . . . . . max 0,001 %
reducing sugars. . . . . .max. 0,5 %
TLC test . . . . . .passes test
residue on ignition . . . . . .max. 0,02 %
DNases, RNases, Proteases . . . . . non detected

ART. NO.	VOLUME	CONTAINER
SU00301000	1 kg	P
SU0030005P	5 kg	P

SAFRANINE O, C.I. 50240

SA0040 Safranine O, C.I. 50240, for microscopy



- $C_{20}H_{19}ClN_4$
- M = 350,88 g/mol
- CAS [477-73-6]
- EINECS-No.: 207-518-8
- Solub. in water: (20 °C): 50 g/l
- GHS-signal word: Warning
- GHS-H sentences: H319
- GHS-P sentences: P280 - P264 - P305 + P351 + P338 - P337 + P313
- Tariff number: 3204 13 00 90
- Applications: microscopy, manufacture of dyes.

Absorption maximum λ
(in ethanol 50 %) . . . . . .530 - 534 nm
Absorptivity (A1%/1 cm; λ max.) . . . . . 875 - 1450
loss on drying (110 °C). . . . . max. 15 %

ART. NO.	VOLUME	CONTAINER
SA00400010	10 g	G
SA00400050	50 g	G