

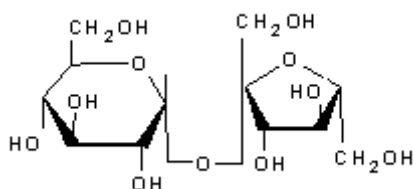


PRODUCT CODE: 131621

D(+)-Sucrose for analysis, ACS

$C_{12}H_{22}O_{11}$

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M.= 342,30

CAS [57-50-1]

EINECS 200-334-9

TARIC 1701 99 90 00

SYNONYMS: b-D-Fructofuranosyl-a-D-Glucopyranoside, Sucrose, Sugar

PHYSICAL DATA: Small crystals, White, Soluble in water 1.970 g/l at 15 °C M.P.: 186 °C • pH7 •

BIBLIOGRAPHY: Merck Index **12**, 9.051 13, 8.966 Sax **SNH000** • Safety **2**, **3192 D** • Beilstein **31**, **424 17**, **8 V**, **399** • BRN 90825 • ACS **XI** • BP.**2018** • USP **-NF 36** • Ph. Eur. **8.0** (2014) 5.5, 4299 **9.0** (2017) 5.5, 4299 6.3 • F.C.C **IV400** • DAB 10 •

HAZARDOUS: RTECS: WN 6500000 • LD50 oral rat 29.700 mg/kg • LD50 ipr mus 14.000 mg/kg VLA-ED 10 mg/m³

SPECIFICATIONS:

Identity :

Identity

Specific rotation [α]_D²⁵ c=26 (in H₂O)

IR passes test

+66,3 - +66,8°

Maximum limit of impurities

Acidity	0,0008 meq/g
Insoluble matter in H2O	0,005 %
Loss on drying at 105°C	0,03%
Residue on ignition (as SO4)	0,01 %
Chloride (Cl)	0,002%
Nitrogen compounds (as N)	0,001%
Inverted sugar	0,05%
Sulfate and sulfite (as SO4)	0,005%
Heavy metals (as Pb)	0,0005%
As	0,0001 %
Metals by ICP [in mg/Kg (ppm)]	
Al	5
Au	5
B	5
Ba	5
Be	5
Bi	5
Ca	10
Cd	5
Co	5
Cr	5
Cu	5
Fe	5
Ga	5
Ge	5
In	5
K	50
Mg	20
Mn	5
Mo	5
Na	50
Ni	5
Pb	0,5
Pt	5
Sb	5
Si	10
Sn	5
Sr	5
Ti	5
Tl	5
V	5
Zn	5
Zr	5