

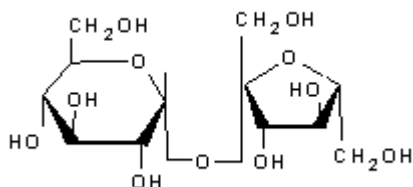


**PRODUCT CODE: 131621**

**D(+)-Sucrose for analysis, ACS**

C<sub>12</sub>H<sub>22</sub>O<sub>11</sub>

C<sub>12</sub>H<sub>22</sub>O<sub>11</sub>



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.**2025** • USP **-NF 38** • Ph. Eur. **10.0** (2019) **11.0** (2023) • F.C.C **13** • DAB 10 •

**HAZARDOUS:** RTECS: WN 6500000 • LD50 oral rat 29.700 mg/kg • LD50 ipr mus 14.000 mg/kg VLA-ED 10 mg/m<sup>3</sup>

#### SPECIFICATIONS:

Identity :

Identity

Specific rotation [α]<sub>D</sub><sup>25</sup> c=26 (in H<sub>2</sub>O)

IR passes test

+66,3 - +66,8°

#### Maximum limit of impurities

Acidity

0,0008 meq/g

Insoluble matter in H<sub>2</sub>O

0,005 %

Loss on drying at 105°C

0,03%

|                                           |         |
|-------------------------------------------|---------|
| Residue on ignition (as SO <sub>4</sub> ) | 0,01 %  |
| Chloride (Cl)                             | 0,002%  |
| Nitrogen compounds (as N)                 | 0,001%  |
| Inverted sugar                            | 0,05%   |
| Sulfate and sulfite (as SO <sub>4</sub> ) | 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   |