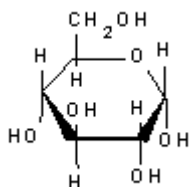
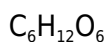
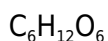




**PRODUCT CODE: 131341**

**D(+)-Glucose anhydrous for analysis, ACS**

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M.= 180,16

CAS [50-99-7]

EINECS 200-075-1

TARIC 1702 30 50 10

**SYNONYMS:** Dextrose, D-Glucopyranose, Grape sugar

**PHYSICAL DATA:** Small crystals, White, Soluble in water 900 g/l at 20 °C M.P.: 146 °C • pH6 - 7 •

**BIBLIOGRAPHY:** Merck Index **12**, 4.467 13, 4.472 Sax **GFG000** • Beilstein **31 , 83 IV , 1 , 4302** • BRN 1724615 • ACS **XI** • BP.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) 6.3 • F.C.C **10 11** • DAB 10 (1991) •

**HAZARDOUS:** RTECS: LZ 6600000 • LD L0 oral rbt 20.000 mg/kg • LD50 oral rat 25.800 mg/kg • LD50 ipr mus 18.000 mg/kg

**SPECIFICATIONS:**

Identity :

Identity

Specific rotation  $[\alpha]_{25/D} c=10$  (in H<sub>2</sub>O)

IR passes test

+52,5 - +53,0°

**Maximum limit of impurities**

Acidity

0,002 meq/g

|                              |             |
|------------------------------|-------------|
| Insoluble matter in H2O      | 0,003 %     |
| Loss on drying at 105°C      | 0,2%        |
| Residue on ignition (as SO4) | 0,01 %      |
| Chloride (Cl)                | 0,0025%     |
| Sulfate and sulfite (as SO4) | 0,0025%     |
| Starch                       | passes test |
| As                           | 0,00004%    |
| Heavy metals (as Pb)         | 0,0005%     |

**Metals by ICP [in mg/Kg (ppm)]**

|    |    |
|----|----|
| Al | 5  |
| B  | 1  |
| Ba | 1  |
| Be | 1  |
| Ca | 5  |
| Cd | 10 |
| Co | 1  |
| Cr | 1  |
| Cu | 5  |
| Fe | 5  |
| In | 1  |
| K  | 1  |
| Mg | 5  |
| Mn | 1  |
| Mo | 1  |
| Ni | 5  |
| Pb | 5  |
| Pt | 1  |
| Sb | 1  |
| Se | 5  |
| Sr | 1  |
| Ti | 1  |
| Tl | 1  |
| V  | 1  |
| Zn | 5  |
| Zr | 1  |