

Specification

Item number: 24P9

D(-)-Fructose

≥98 %, Ph. Eur., USP, BP

CAS No.: 57-48-7

print date: 14.02.2024

formula: $C_6H_{12}O_6$

density: 1,59

molecular weight: 180,16 g/mol

Guarantee analysis

Assay	99-102 %
Identity	complies
pH (10 % solution)	4.5-7.0
Appearance of solution	complies
Acidity	complies
Ash content (as SO ₄)	≤0.1 %
Chloride (Cl)	≤0.005 %
Sulphate (SO ₄)	≤0.005 %
Residual solvents	complies
Calcium, magnesium, alkaline-earth metals (as Ca)	≤0.005 %
Water	≤0.5 %
Barium (Ba)	complies
Calcium (Ca)	≤0.002 %
Magnesium (Mg)	≤0.002 %
Lead (Pb)	≤0.00005 %
Cadmium (Cd)	≤0.00005 %
Arsenic (As)	≤0.0001 %
Mercury (Hg)	≤0.00015 %
Cobalt (Co)	≤0.0005 %
Vanadium (V)	≤0.001 %
Nickel (Ni)	≤0.002 %
Thallium (Tl)	≤0.0005 %
Gold (Au)	≤0.001 %
Palladium (Pd)	≤0.001 %
Iridium (Ir)	≤0.001 %
Osmium (Os)	≤0.001 %
Rhodium (Rh)	≤0.001 %
Ruthenium (Ru)	≤0.001 %
Selenium (Se)	≤0.0015 %

Specification

Guarantee analysis

Silver (Ag)	≤0.0015 %
Platinum (Pt)	≤0.001 %
Lithium (Li)	≤0.0055 %
Antimony (Sb)	≤0.012 %
Molybdenum (Mo)	≤0.0025 %
Copper (Cu)	≤0.025 %
Tin (Sn)	≤0.06 %
Chromium (Cr)	≤0.0025 %
Specific rotation $[\alpha]_D^{20}$ (c=10 in H₂O)	-93.5--91.0

Our products are tested for laboratory use only.

The stated information refers to the current status of product quality.

We reserve the right to implement necessary changes.

Dr. R. Niemand

Head of Quality Assurance

This document is computer printout and has therefore not been signed by hand.

S. Lorsee

Head of Quality Management

Carl Roth GmbH + Co. KG
Schoemperlenstraße 3-5
76185 Karlsruhe

Telefon 0721/5606-0
Telefax 0721/5606-149
E-Mail: info@carlroth.de

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