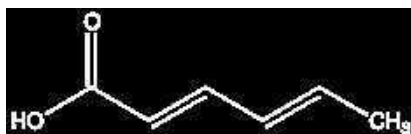


SORBIC ACID

AC2032 Sorbic acid, EssentQ®



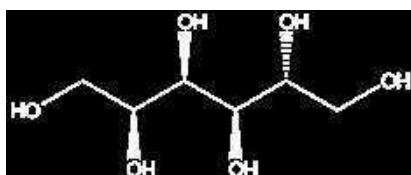
- Synonyms: 2,4-Hexadienoic acid
- $C_6H_8O_2$
- $M = 112,13 \text{ g/mol}$
- CAS [110-44-1]
- EINECS-No.: 203-768-7
- Solub. in water: (20 °C): 1,6 g/l
- Melting point: 132 - 135 °C
- Boiling point: ~ 228 °C (decomposes)
- Flash pt. ~ 127 °C
- Vapour pressure: (20 °C) ~ 0,01 hPa
- LD 50 (oral, rat): 7360 mg/kg
- GHS-signal word: Warning
- GHS-H sentences: H319 - H335
- GHS-P sentences: P261 - P280 - P305 + P351 + P338 - P304 + P340 - P405 - P501a
- Tariff number: 2916 19 30 00
- Applications: laboratory reagent, synthesis of organic products, in food industry (E 200), preservative agent.

assay (acidimetric) min. 99,5 %
residue on ignition max. 0,01 %

| ART. NO. | VOLUME | CONTAINER |
|------------|--------|-----------|
| AC20321000 | 1 kg | Ⓟ |

D(-)-SORBITOL

SO0850 D(-)-Sorbitol, extra pure, Pharmpur®, Ph Eur, BP, NF



- Synonyms: D-Glucitol, Karion
- $C_6H_{14}O_6$
- $M = 182,17 \text{ g/mol}$
- CAS [50-70-4]
- EINECS-No.: 200-061-5
- Solub. in water: (20 °C): soluble
- Melting point: 94 - 96 °C
- Flash pt. > 100 °C
- Ignition temp.: > 150 °C
- LD 50 (oral, rat): 15900 mg/kg
- Tariff number: 2905 44 91 00
- Applications: analytical chemistry, in food industry, for pharmaceutical use, synthesis of organic products, in pharma industry.

assay (HPLC) 97,0 - 100,5 %
identification passes test
appearance of solution clear and colourless
conductivity (20°C; 20%, in H₂O) max. 20 µS/cm
pH (10 %, H₂O) 3,5 - 7,0
nickel (Ni) max. 1 ppm
reducing sugars (as glucose) max. 0,2 %
related substances passes test
microbiological test passes test
residue on ignition max. 0,1 %
water (K.F.) max. 1,5 %
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 |
|------------|--------|-----------|
| SO08500250 | 250 g | Ⓟ |
| SO08501000 | 1 kg | Ⓟ |
| SO0850005P | 5 kg | Ⓟ |
| SO0850025P | 25 kg | Ⓟ |

STANDARDS, AA, ACCORDING TO ISO 17025

AL0755 Aluminium, standard solution 1000 mg/l Al for AA (Al(NO₃)₃ in HNO₃ 2%)



- Density: ~ 1,01 g/cm³
- Solub. in water: (20 °C): miscible
- ADR: 8 C1 III UN 3264
- IMDG: 8 III UN 3264
- IATA/ICAO: 8 III UN 3264
- GHS-signal word: Warning
- GHS-H sentences: H315 - H319
- GHS-P sentences: P280 - P305 + P351 + P338 - P321 - P362 - P332 + P313 - P337 + P313

- Tariff number: 3822 00 00 00
- Applications: analytical chemistry, atomic absorption analysis.

concentration 995 - 1005 mg/l
uncertainty ± 5 mg/l
This standard solution is traceable to Standard Reference Material from NIST.

| ART. NO. | VOLUME | CONTAINER |
|------------|--------|-----------|
| AL07550100 | 100 ml | Ⓟ |
| AL07550500 | 500 ml | Ⓟ |

A
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