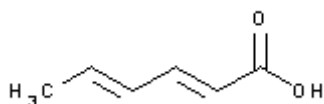




PRODUCT CODE: 141055

Sorbic Acid (USP-NF, BP, Ph. Eur.) pure, pharma grade



M.= 112,13

CAS [110-44-1]

EINECS 203-768-7

TARIC 2916 19 95 90

SYNONYMS: 2,4-Hexadienoic Acid

PHYSICAL DATA: crystalline powder, White, Soluble in water 2,5 g/l at 25 °C D 1,1 • M.P.: 134 °C • B.P.: 228 °C

• pH(1.6 g/l)3 • Flash P.:127 °C • Vap. press. (20 °C) 0,013 hPa •

BIBLIOGRAPHY: Merck Index **13**, 8.793 14, 8.721 Sax **SKU000** • Beilstein **2 , IV , 1701** • BRN 1098547 • BP.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **10 11** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •

HAZARDOUS: RTECS: WG 2100000 • LD50 oral mus 3.200 mg/kg • LD50 oral rat 7.360 mg/kg • LD50 ipr mus 2.820 mg/kg



H: H319 • H335 •

P: P261 • P264 • P271 • P280 • P304+P340 • P501 • P305+P351+P338 • P312 • P337+P313 • P403+P233 • P405 •

OBSERVATIONS: Storage away from direct light. •

SPECIFICATIONS:

Assay (C ₆ H ₈ O ₂) calc. a.d.s.	99,0-101,0%
Identity :	
Identity according to Pharmacopoeias:	passes test
Melting range	132-135°C

Maximum limit of impurities

Appearance of solution	passes test
Insoluble matter in CH ₃ CH ₂ OH	passes test
Residue on ignition (as SO ₄)	0,2 %
Sulfate (SO ₄)	0,005%
Residual solvents (Ph.Eur/USP)	passes test
Aldehydes (as C ₂ H ₄ O)	0,15%
Water (H ₂ O)	0,5 %
Heavy metals (as Pb)	0,001%

Elemental impurities (ICH Q3D):

Class 1

Cd	0,5 ppm
Pb	1 ppm
As	1,5 ppm
Hg	1,5 ppm

Class 2A

Co	5 ppm
V	10 ppm
Ni	20 ppm

Class 2B

Tl	0,8 ppm
Au	10 ppm
Pd	10 ppm
Ir	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	15 ppm
Ag	15 ppm
Pt	10 ppm

Class 3

Li	55 ppm
Sb	120 ppm
Ba	140 ppm
Mo	25 ppm
Cu	250 ppm
Sn	600 ppm
Cr	25 ppm