



PRODUCT CODE: BH2786

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

$C_8H_{16}O_2$

$CH_3-(CH_2)_6-COOH$

M.= 144,21

CAS [124-07-2]

EINECS 204-677-5

TARIC 2915 90 70 90

SYNONYMS: Caprilic Acid

PHYSICAL DATA: liquid, Clear, Colourless, Soluble in water 0,68 g/l at 20 °C Thermal decom. above 440 °C • D 20/4 0,9088 • M.P.: 16,5 °C • B.P.: 239 °C • n₄₀/D : 1,4285 • Flash P.:132 °C • Ign. T.:440 °C • Vap. press. (20 °C) 0,05 hPa •

BIBLIOGRAPHY: Merck Index **12**, 1.808 13, 1.771 Sax **OCY000** • Safety **2** , **2641 B** • Beilstein **2** , **347 I** , **147 II** , **300 III** , **785 IV** , **982** • BRN 1747180 • BP.2021 • USP -NF **37** • Ph. Eur. **9.0** (2017) **10.0** (2020) • F.C.C **11 12** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •

HAZARDOUS: RTECS: RH 0175000 • LD50 oral rat 10.080 mg/kg •



H: H314 • H412 •

P: P260 • P264 • P280 • P301+P330+P331 • P303+P361+P353 • P501 • P304+P340 • P305+P351+P338 • P310 • P321 • P338 • P363 • P405 • P273 •

TRANSPORT REGULATIONS: UN: 3265 • ADR: 8/III • IMDG: 8/III • IATA: 8/III • PAX: 852 • CAO: 856 • (E) •
WEIGHT/VOLUME INFORMATION: 1l~0,910 kg 1kg~1,099 l

SPECIFICATIONS:

Assay (Acidim.) calc. a.d.s.

99,0-100,5%

Identity :

Identity according to Pharmacopoeias: (Density, G.C.)

passes test

Identity (Spectrophotometric)

IR passes test

Density at 20/20

0,909-0,912

Maximum limit of impurities

Appearance (Wet chemistry)	passes test
Residue on ignition (as SO ₄) (Gravimetric)	0,05 %
Iodine value (Wet chemistry)	2
Peroxide value (Wet chemistry)	10,0
Related substances (G.C.)	
Individual	0,3%
Total	0,5%
Residual solvents (Ph.Eur.curr.ed.). excluded by manufacturing process.	
Microbial Limits	
Bacterial endotoxins	50 IU/g
Total Aerobic Microbial Count (TAMC)	100 cfu/ml
Water (Karl Fisher volumetry)	0,3 %
Heavy metals (as Pb)	0,001%
Fe (ICP-OES)	0,001 %
Elemental impurities (ICH Q3D): (ICP-OES)	
Class 1	
Cd	0,5 ppm
Pb	0,5 ppm
As	1 ppm
Hg	1,5 ppm
Class 2A	
Co	5 ppm
V	10 ppm
Ni	5 ppm
Class 2B	
Tl	1 ppm
Au	10 ppm
Pd	10 ppm
Ir	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	20 ppm
Ag	15 ppm
Pt	10 ppm
Class 3	
Li	55 ppm
Sb	120 ppm
Ba	140 ppm
Mo	25 ppm
Cu	5 ppm
Sn	600 ppm
Cr	25 ppm