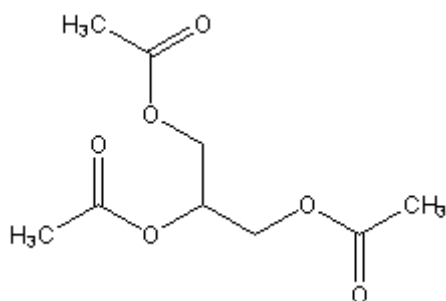
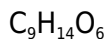
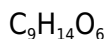


**PRODUCT CODE: 141922****Glycerol tri-Acetate (USP, BP, Ph. Eur.) pure, pharma grade**



M.= 218,21

CAS [102-76-1]

EINECS 203-051-9

TARIC 2915 39 00 90

SYNONYMS: 1,2,3-Triacetoxyp propane, Triacetin

PHYSICAL DATA: liquid, Clear, viscous, Colourless, Soluble in water 6,8 g/l at 20 °C D 20/4 1,158 • M.P.: 4 °C • B.P.: 256 °C • pH(5% solution)5,0 - 6,0 • n₂₀/D : 1,431 • Ign. T.:430 °C • Vap. press. (20 °C) 0,1 hPa • Expl. limit1,1 %(V)7,7 %(V) •

BIBLIOGRAPHY: Merck Index **12**, 9.721 13, 9.664 Sax **THM500** • Safety **2** , **3386 D** • Beilstein **2** , **147 IV** , **253** • BRN 1792353 • BP.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **10 11** • Royal Decree **I1029** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •

HAZARDOUS: RTECS: AK 3675000 • LD50 oral mus 1.100 mg/kg • LD50 oral rat 3.000 mg/kg • LD50 ipr mus 1.400 mg/kg LD50 ipr rat 2.100 mg/kg

WEIGHT/VOLUME INFORMATION: 1l~1,159 kg 1kg~0,863 l

SPECIFICATIONS:

Assay (Acidim.) calc. a.d.s.	97,0-100,5 %
Identity :	
Identity according to Pharmacopoeias:	passes test
Density at 25/25	1,152-1,158
Density at 20/20	1,159-1,164
Refractive Index n ₂₅ /D	1,429-1,430

Maximum limit of impurities

Appearance	passes test
Acidity(0.005 % as CH ₃ COOH) (USP)	passes test
Acidity(Ph. Eur.)	passes test

Residual solvents (Ph.Eur/USP)	passes test
Glycerol mono-Acetate (G.C.)	0,1%
Glycerol di-Acetate (G.C.)	0,3%

Water (H ₂ O)	0,2 %
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As	0,00015 %
Cd	0,00005 %
Hg	0,00015 %
Pb	0,00002 %

Elemental impurities according to ICH Q3D guide: No metal catalysts are used in the manufacturing process.

Class 1-3 elements are not likely to be present above the limits of ICH Q3D option 1.