

KLJ Group

Trust built on performance



KANATOL – 3200 AC

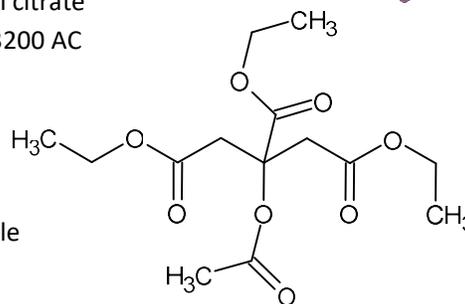


ACETYLTRIETHYL CITRATE

Phthalate free solvent for Cosmetic, Perfumes and Cellulose compounds

Chemical Nature Acetylated Citric acid ester of Ethanol

Chemical Name	: Acetyltriethyl citrate
Trade Name	: KANATOL – 3200 AC
Molecular Formula	: C ₁₄ H ₂₃ O ₉
Molecular Weight	: 318.32
Molecular Structure	:
CAS No.	: 77-89-4
UN No.	: Not Applicable
EINECS No.	: 201-066-5



Specification	Characteristics	Unit	Test Method	Value
	Colour	HU	ASTM-D-1045-2008	Max. 50
	Volatile Loss (110°C/2h)	Wt. %	KLJ-TM-P-11-92	Max. 0.30
	Ester Value	mg KOH/g	ASTM-D-1045-2008	703-709
	Acidity	Wt. %	ASTM-D-1045-2008	Max. 0.02
	Moisture	Wt. %	ASTM-E-203-2008	Max. 0.30
	Specific Gravity (27°C)	---	ASTM-D-1045-2008	1.134-1.140
	Ester content	Wt. %	ASTM-D-1045-2008	Min. 99.00
	Heat Stability (150°C/2h)	HU	ISI-9591-2013	Max. 65
	Acidity after heat treatment	Wt. %	ISI-9591-2013	0.06
	Plasticizing Esters by GC	Area %	KLJ-TM-P-12-98	Min. 99.00
	Residual Alcohol	Area %	KLJ-TM-P-12-98	Max. 0.02

Typical Properties

Boiling Point	°C	---	294
Viscosity at 25°C	cP	KLJ-TM-P-13-97	50 ± 3
Flash Point	°C	KLJTM	188
Refractive Index (27°C)	--	ASTM-D-1045-2008	1.438 – 1.444

Total Solution in Plasticizers



KANATOL – 3200 AC

Properties

K-3200 AC is a colorless, transparent oily liquid, slight sweet odour. It helps to get insoluble Organic UV filters dispersed in high concentrations.

Application

K-3200 AC is recommended for use with cellulosic derivatives. It offers low warping characteristics with cellulose acetate.

K-3200 AC has been accepted for use as a plasticizer in food wrap films by the US Food & Drug Administration.

K-3200 AC is used as a fixative for perfumes and as a plasticizer and film strengthening agent in hair sprays, and nail polishes, as well as a component of various ink formulations.

K-3200 AC used in tablet coatings materials in the pharmaceutical sector, and for hair sprays, ink formulations and transparent PVC film

The Pharmaceutical Grade (sold as ATEC, NF) meets all the requirements as listed in the European Pharmacopeia, US Pharmacopeia / National Formulary and Japanese Pharmaceutical Excipients.

Packing & Storage

K-3200 AC is packed in 200/225 kg iron drum/ HDPE drum, 20–22 fcl flexi tank or in road tanker. It is stored in tightly closed container, in a cool, dry and ventilated area.

Shelf Life

It keeps the original characteristics minimum for 24 months, if kept in recommended storage

Safety

The MSDS can be provided on request.

Disclaimer

The data contained in this publication are based on our current knowledge and experience. During processing, there are so many factors which may affect the application part of Kanatol-3400 AC, so these data neither imply any guarantee of certain properties, nor the suitability of the product for the specific purpose. Any data given in this publication may change without prior information and do not constitute the agreed quality of our product.

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