

VITAMINA E TOCOFEROL

FICHA TÉCNICA

PRODUCT: VITAMINA E TOCOFEROL

Molecular formula: $C_{31}H_{52}O_3$

CAS: 7695-91-2

Molecular weight: 472,75

ITEMS	STANDARDS
Appearance	Clear, Colourless to slightly yellow or greenish-yellow, viscous oily liquid
Assay by GC	≥ 98 %
Identification A,B,C	Correspond
Solubility	Practically insoluble in water, freely soluble in ethanol, acetone and vegetable oils.
Related substances	Impurities A ≤0,5% Impurities B: ≤ 1,5% Impurities C (free tocopherol) ≤ 0,5% Any other impurity: for each impurity: ≤0,25% Total: ≤ 2,5 %
Density (20°C)	0,952 – 0,966 g/ml
Refractive index (20°C)	1,494 – 1,498
Optical rotation	-0.01° to +0.01°
Acid value:	≤. 2.0 mg KOH/g
Sulphated ashes	≤ 0.10%
Heavy metals*	≤ 10 ppm
Lead*	≤ 0.5 ppm
Arsenic*	≤ 1 ppm
Mercury*	≤ 0.1 ppm
Cadmium*	≤ 1 ppm
Residual solvents	Meet the USP & EP requirements
* Test verified on random samples	

Handling

Stability: Vitamin E acetate is stable to air and heat, but sensitive to light and alkalis

Usage: food and cosmetic industry product can also be used as feed additive (3a700),

dosage in feed: as per latest version of European feedstuff law

Storage: Material needs to be stored in the original unopened packing, protected from light in a dry place

Issue Date: 02/2021

