

INSOLENT [LABS]

D-ALPHA TOCOPHERYL ACETATE (700 UI-G) (VIT E NAT)

PRODUCT SPECIFICATION

Product Name	INCI Name	EINECS Number	CAS Code
D-ALPHA TOCOPHERYL ACETATE (700 UI-G) (VIT E NAT)	alpha-tocopheryl acetate	200-405-4	58-95-7

Names	Chemical name: d-alpha tocopheryl acetate. 2R, 4'R, 8'R-alpha-tocopheryl acetate
INCI name	tocopheryl acetate

General Characterization

Off-white/beige free flowing granular powder.

The active ingredient, Vitamin E acetate is derived from non-GMO, IP certified soybean oil and is produced by physical and chemical means.

It is then absorbed onto silicon dioxide. It is intended for use as Vitamin E in the food and dietary supplement industry.

Identification

Name	Empirical formula
d-alpha tocopheryl acetate	C ₃₁ H ₅₂ O ₃
Ingredients/Composition	GC method according to IT-02-L
D-alpha Tocopheryl acetate*	514.7 mg/g min.
Vegetal (sunflower) oil:	95 mg/g min
Silicon dioxide SiO ₂ carrier (free flowing type)	390.3 mg/g max

*Derived from soybean oil

Quality Control Assay	(Parameters analyzed per batch)
Appearance	Off-white to beige granular powder
Taste	Bland, characteristic
Odour	Bland to none
Specific gravity/Density (25°C)	0.50 – 0.80 g/cm ³
Potency	700 I.U/g (min)

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Acidity (as d- α -tocopheryl acetate)	< 0.35 ml KOH 0.1N /g
Loss on drying	< 5 %
Benzo (a) pyrene	< 2 ppb
Sum of Benzo(a)pyrene, Benzo(a)anthracene, Benzo(b)fluoranthene and Chrysene	< 10 ppb
(Parameters analyzed periodically based on statistical data)	
Particle size	90 % \geq 400 μ m (40 mesh)
Heavy metals (for D-alpha-tocopheryl acetate)	Pb: <0.1ppm Hg:<0.1ppm Cd: <1ppm As: <1ppm
Heavy metals (for Silicon dioxide):	Pb: <5ppm Hg:<1ppm Cd: <2ppm As: <3ppm
Microbiological tests	(In compliance with EP and RD 3177/83)
E. Coli	None cfu/g
Salmonella	None cfu/25g
Lysteria Monocytogenes	None cfu/10 g
Shigella	None cfu/10 g
Clostridium Perfringens	None cfu/g
Staphylococcus Aureus	None cfu/g
Enterobacteriaceae	max 100 cfu/g
Total Aerobic Count	max 1000 cfu/g
Yeast & Moulds	max 100 cfu/g
Residual solvents	In compliance with limits established in EP and USP for Class I solvents. This product meets as well Directive 2009/32/EC
Dioxins	