

SPECIFICATION SHEET

Vitamin E TPGS (VE25)

GENERAL INFORMATION

Production Method	Tocopheryl succinate + PEG ester	Synonym	Tocophersolan, VE-TPGS
Country of Origin	China	Carrier Used	None
Solvent Used	None (polymer ester)	Kosher Halal	No No

ITEM	SPECIFICATION		METHOD
PHYSICAL & CHEMICAL			
Appearance	White powder		Organoleptic
Total Tocopherol Content	NLT (%)	25.0	HPLC
Free Alpha-Tocopherol	NMT (%)	3.0	HPLC
Acid Value	NMT (mg KOH/g)	1.5	USP
Saponification Value	65 – 85 mg KOH/g		USP
Hydroxyl Value	60 – 90 mg KOH/g		USP
Viscosity (25 °C)	300 – 600 mPa·s		USP
pH (10% aqueous)	4.0 – 6.0		USP
Moisture	NMT (%)	0.5	Karl Fischer
Residue on Ignition	NMT (%)	0.1	USP<281>
CONTAMINANTS			
Arsenic (As)	NMT (ppm)	2.0	ICP-MS
Heavy Metals	NMT (ppm)	10	AAS / ICP-MS
Residual Ethylene Oxide	NMT (µg/g)	1.0	GC
Pesticide Residue	Not Applicable (non-botanical)		–
MICROBIOLOGICAL			
Total Plate Count	NMT (cfu/g)	1,000	USP<61>
Yeast & Mold	NMT (cfu/g)	100	USP<61>
Coliforms	NMT (MPN/100 g)	30	USP<62>
Salmonella	Negative		USP<62>
Staphylococcus aureus	Negative		USP<62>

PACKING & STORAGE

Packed in a fiber drum with two inner plastic bags, net weight 25 kg.
 Store in a well-closed container away from moisture, light, and heat.

SHELF LIFE

24 months if under the conditions above and in its original packaging.

NOTE

D-alpha-tocopheryl polyethylene glycol succinate (TPGS), VE25 grade (total tocopherol content NLT 25%). Used as a bioavailability / solubility enhancer.