



## TECHNICAL DATA SHEET

Product Code	020047
Product	Vitamin E Oil (As D- $\alpha$ -tocopheryl Acetate)
Specification	$\geq 1000$ IU/g, GC
CAS Number	58-95-7
Chemical Formula	C <sub>31</sub> H <sub>52</sub> O <sub>3</sub>
Molecular Weight	472.75

Items	Specifications	Methods
Appearance	Colorless to yellow clear oily liquid	Visual
Odor	Nearly odorless	Organoleptic
A: Chemical reaction with HNO <sub>3</sub> positive	Positive	Color reaction
B: Main peak in GC	The retention time of the principal peak in the test solution conforms to which in the reference solution	*
GC	Corresponds to RS	GC
Acidity	$\leq 0.5$ ml	Titration
Optical rotation $[\alpha]^{25}_D$	$\geq +24^\circ$	USP<781>
Density(20°C)	0.93g/cm <sup>3</sup> -0.95g/cm <sup>3</sup>	*
D-alpha tocopheryl acetate (per gram)	$\geq 1000$ IU/g	GC
Heavy metals	$\leq 10.0$ ppm	GF-AAS
Benzo (a) pyrene	$\leq 2.0$ ppb	HPLC
PAH <sub>4</sub>	$\leq 10.0$ ppb	GC-MS
Hexane	$\leq 290$ ppm	*
Total aerobic microbial count	$\leq 1000$ cfu/g	USP<2021>
Total yeast and molds count	$\leq 100$ cfu/g	USP<2021>
Enterobacteria	$\leq 10$ cfu/g	USP<2022>

Net weight: 190kgs/Drum;

Gross weight: 200Kgs $\pm$ 0.5kg

24 months under 30°C in a well-closed container and away from moisture, light, oxygen.