

Products Name: D-alpha Tocopheryl

Batch No.: DITOCOPHERYL20220821

Mfg Date: December. 21th, 2022

Report Date: Decemebr 23th, 2022

Determination	Specification	Results	Method
PHYSICAL PROPERTIES			
Appearance	Reddish brown to light yellow liquid	Conforms	Visual
CHEMICAL			
Total Tocopherol Content	≧ 96.0%	98.76 %	GB1886.233
D-alpha tocopherol accounts for total tocopherol	≧ 95.0%	97.53%	GB1886.233
D-alpha tocopherol content (IU/G)	≧ 1430	1435	GB1886.233
Acidity	≧ 1.0ml	0.03ml	USP
Rotation	≧ +24°	Conforms	USP
Benzoa Pyrene	≧ 2 ppb	<2 ppb	GC-MS
Solvent Residue-Hexane	≧ 290ppm	0.8 ppm	USP<467>
Ash	≧ 6.0%	2.40%	USP<.231>11
Lead	≧ 0.2ppm	0.0085ppm	AFS
Mercury	≧ 0.02ppm	0.0029ppm	AFS
Cadmium	≧ 0.4ppm	0.12ppm	AFS
Arsenic	≧ 0.2ppm	<0.12ppm	AFS
MICROBIAL			
Total Plate Count	≧ 30,000cfu/g	410 cfu/g	USP<61>
Coliforms	≧ 10 cfu/g	<10 cfu/g	

Analyzed by: Danrui Zhao

Approved by: Liwei Chang

