Gojira Fine Chemicals, LLC
Quality Products & Services Meeting Customer Needs
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Specification

D-α-Tocopherol Oil

Catalog Number: TO1001
CAS Number: 59-02-9
Molecular Formula: $C_{29}H_{50}O_2$
Molecular Weight: 430.71
Storage: ≤ -20°C
Retest Period: Two years from the date of manufacture.

Test	Specification
Appearance	Clear, brown-red viscous oil
Assay	≥ 1,00IU/g ≥ 67.11%
Identification (FTIR)	To match reference spectra
Specific Rotation	≥ +24.0°
Gardner Index	≤ 12
Acid Value	≤ 1.0mL
Heavy Metal	≤ 10ppm
Arsenic	≤ 1ppm
Cadmium	≤ 2ppm
Lead	≤ 0.5ppm
Mercury	≤ 0.1ppm
Residual Solvents Hexane Ethanol	 ≤ 290ppm Meets USP <467>
Benz(a)-Pyrene	≤ 2ppb
Organic Volatile Impurities	To meet requirements
Total Plate Count	≤ 1,000cfu/g
Yeast & Mold	≤ 100cfu/g
Coliforms	≤ 10cfu/g
E. coli	Negative
S. aureus	Negative
Salmonella	Negative

Approved: Date: September 27, 2018

John Grubb

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For research or further manufacturing. Not for drug, clinical or a food use in humans or animals.