

Certificate of Analysis

Date of Testing: 2025-02-19 11:42:42

Date of Next Testing: 2028-02-19 11:42:42

Product Name: **D- α -Tocopherol polyethylene glycol 1000 succinate**

CAS Number: 9002-96-4

Specifications & Purity: UltraBio™, Ultra pure, water soluble vitamin E conjugate

Lot #: B2518281

SKU #: **D475320**

Version: **1**

Analysis #: **472889**

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Assay(Alpha Tocopherol)	≥25 (%)	29.00000 %
Melting point	36-41 (°C)	37.00000 °C
Aluminium(Al)	0-5 (ppm)	0.32000 ppm
Barium(Ba)	0-5 (ppm)	0.32 ppm
Bismuth(Bi)	0-5 (ppm)	0.32 ppm
Calcium(Ca)	0-10 (ppm)	0.56 ppm
Cadmium(Cd)	0-5 (ppm)	0.32 ppm
Cobalt(Co)	0-5 (ppm)	0.32 ppm
Chromium(Cr)	0-5 (ppm)	0.32 ppm
Copper(Cu)	0-5 (ppm)	0.32 ppm
Iron(Fe)	0-5 (ppm)	0.32 ppm
Potassium(K)	0-50 (ppm)	1.56 ppm
Lithium(Li)	0-5 (ppm)	0.32 ppm
Magnesium(Mg)	0-5 (ppm)	0.32 ppm
Manganese(Mn)	0-5 (ppm)	0.32 ppm
Molybdenum(Mo)	0-5 (ppm)	0.32 ppm
Sodium(Na)	0-50 (ppm)	32.23 ppm
Nickel(Ni)	0-5 (ppm)	0.32 ppm
Lead(Pb)	0-5 (ppm)	0.32 ppm
Strontium(Sr)	0-5 (ppm)	0.32 ppm
Zinc(Zn)	0-5 (ppm)	0.32 ppm
Appearance(D475320)	White or Colorless to Yellow to Light Brown Powder or Solid or Chunk(s) to Clear Liquid	White or Colorless to Yellow to Light Brown Powder or Solid or Chunk(s) to Clear Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

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Parameter	Limit Values	Result
Solubility in water(1 g/10 mL), Clear to Hazy , colorless to faintly yellow	Pass	Pass

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager