

**Certificate of Analysis**  
**(Representative Sample Certificate)**

**Product Name:** Vitamin E (dl-alpha tocopheryl acetate)  
**INCI Name:** Tocopheryl Acetate  
**CAS Number:** 7695-91-2  
**Lot Number:** Not available (data may vary slightly with different lots or batches)  
**Re-test Date:** 36 months from production date

Analytical Tests	Specifications	Results
Appearance	Slight yellow, greenish oily liquid	Conforms
Assay	≥98.00%	99.10%
Identification	Corresponding to A, B, and C	Conforms
Specific Optical Rotation	-0.01° to +0.01°	Conforms
Absorbance (284nm)	42.0-45.0	Conforms
Absorbance (254nm)	7.5-9.0	Conforms
Density @ 20 °C	0.952-0.966 g/mL	Conforms
Acid Value	≤2.0 mg KOH/g	0.08 mg KOH/g
Reference Index	1.494-1.498	Conforms
Heavy Metals	≤10 ppm	<10 ppm
Arsenic	≤1 ppm	<1 ppm
Cadmium	≤1 ppm	<1 ppm
Lead	≤2 ppm	<2 ppm
Mercury	≤0.1 ppm	<0.1 ppm
Residue on Ignition	≤0.10%	<0.10%
Residual Solvents	Meet the requirement	Conforms
Total Plate Count	≤1,000 CFU/g	<1,000 CFU/g
Mold & Yeast	≤100 CFU/g	<100 CFU/g
Coliforms	≤10 CFU/g	<10 CFU/g

**Disclaimer:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.

E. Coli	Negative	Negative
Staph. Aureaus	Negative	Negative
Salmonella	Negative	Negative
Related Substances		
Total	≤2.50%	1.20%
Impurity A	≤0.50%	0.09%
Impurity B	≤1.50%	0.67%
Impurity C (tocopherol)	≤1.00%	0.20%
Sum of Impurity D & E	≤1.00%	0.0094%
Any Other Impurity	≤0.25%	<0.25%

The above data were obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed.

All data are as per our supplier.

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