

## Certificate of Analysis

### (Representative Sample Certificate)

**Product Name:** Carrot Oil & Beta-Carotene  
**INCI Name:** Helianthus Annuus seed oil, Daucus Carota Sativa root extract, Daucus Carota Sativa seed oil, beta-carotene, ascorbyl palmitate  
**CAS Number:** 8001-21-6, 84929-61-3, 8015-88-1, 84929-61-3, 7235-40-7, 137-66-6  
**Lot Number:** Not available (data may vary slightly with different lots or batches)  
**Expiration Date:** 12 months from production date

Property	Specification	Analysis
Aspect (Method: P0.00100)	Transparent liquid	Pass
Color (Method: P0.00200)	Orange-red	Pass
Density @ 20° C (Method: P1.00100)	0.910-0.925 g/mL	0.920 g/mL
Acid Value (Method: P2.02100)	1.0 mg KOH/g MAX	0.3 mg KOH/g
Saponification Value (Method: P2.02500)	185.0-198.0 mg KOH/g	191.0 mg KOH/g
Peroxide Value (Method: P2.02200)	5.0 meq O <sub>2</sub> /kg MAX	1.2 meq O <sub>2</sub> /kg
Provitamin A (Method: P5.21200)	3500.000 UI/kg MIN	3950.000 UI/kg

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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