



Certificate of Analysis

(Representative Sample Certificate)

Product Name: Vitamin A Palmitate 1.7MIU/G with tocopherol
INCI Name: Vitamin A Palmitate
CAS Number: 79-81-2
Lot Number: Not available (data may vary slightly with different lots or batches)
Expiration Date: 24 months from production date

Analytical Tests	Specifications	Results
Appearance	Fat like light yellow solid/yellow oily liquid	Pass
Identification		
Thin Layer Chromatography	Must conform USP/FCC	Conforms
Color Reaction	Must Conform USP/FCC	Conforms
Absorbance Ratio	≥ 0.85	1.04
Chroma	≤ 3	1.75
All Trans Isomer Content	$\geq 95.0\%$	98.2%
Acid Value	≤ 2.0 EP	0.6
Peroxide Value	≤ 10.0 FP	1.4
Lead	< 2 mg/kg	0.005 mg/kg
Arsenic	≤ 1 mg/kg	1 mg/kg
Microbial Tests		
Total Bacteria Count	≤ 1000 cfu/g	< 10 cfu/g
Mold & Yeast	≤ 100 cfu/g	< 10 cfu/g
Coliforms	≤ 30 mpn/100g	30 mpn/100g
Salmonella	ND	ND

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.

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