



HANGZHOU DINGYAN CHEM CO., LTD

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CERTIFICATE OF ANALYSIS

NO: DYC051602181

Product name	Vitamin A Palmitate Oil
CAS Number	79-81-2
Batch number	20150718
Manufacture Date;Expiry Date	2015-07-18;2017-01-17
Testing date	2015-07-18
Spec.	1,700,000IU/g

Items	Standard	Result
Appearance	Yellow or brown yellow oily liquid	Complies
Identification	A. Transient blue color appears at once in presence of Antimony Trichloride TS	Complies
	B. The blue green spot formed is indicative of retinol. The approximate RF values of the predominant spots. corresponding to the different from of retinol, 0.7 for the palmitate.	Complies
Absorbance Ratio	The ration of corrected absorbance(A325) to the observed absorbance A325 is not less than 0.85	Complies
Acidity	≤ 1.0 mgKOH/g	0.41 mgKOH/g
Peroxide Value	≤ 10 meq/kg	1.3 meq/kg
Heavy metal	≤ 10 ppm	Complies
Lead	≤ 2 ppm	<1ppm
Arsenic	≤ 1 ppm	<1ppm
Vitamin A Palmitate Content	$\geq 1,700,000$ IU/g	1,741,000IU/g
The total content of the vitamin A acetate and retinol	$\leq 1.0\%$	0.33%
Microbial Limit Test	(1) Total Plate Count ≤ 1000 cfu/g	Complies
	(2) Yeast&Mold ≤ 100 cfu/g	Complies
	(3) E.Coli Negative/10g	Negative
	(4) Salmonella Negative/25g	Negative



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Conclusion	It conforms to USP36
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QUALITY CONTROL: *Hangzhou Dingyan Chem Co., Ltd.*
Quality Control *Lucy Tang*
Signature(x)

CHECK:姚仙娟

INSPECTOR: 刘清风