

Vitamin A (Palmitate 1.7miU/g)

INCI name	Retinyl Palmitate
Trade name	Vitamin A palmitate
Molecular weight	524,87
Molecular formula	$C_{36}H_{60}O_2$
Cas-No.:	79-81-2
Synonym:	Retinol Palmitate
Application	cosmetics
Packaging	bag
Filling quantity	1 kg/bag 5 kg/bag special packaging and smaller fillings quantity on request
Shelf life	up to 2 years, not opened
Storage conditions	dry and cool avoid direct sunlight and heat



Product Specification

Vitamin A (Palmitate 1.7miU/g)

Test	(USP40/EP9 standard)	Specification	Batch EM2106004-170T
Identification		positive	conforms
Appearance		pale yellow brown oily liquid (when low temperature solidable)	conforms
Assay			
Expressed as international units		1.7 miU/g	1.832 miU/g
Expressed as retinol activity equivalentents		510.000 meg RAE/g	549.655 mcg RAE/g
Related substances			
A300/A326		< 0,60	0,57
A350/A326		<0,54	0,52
A370/A326		< 0,14	0,12
Acid value		< 2,0 mg/g	0,52 mg/g
Peroxide value		< 10,0 meq/kg	6,7 meq/kg
Retinol		< 1,0 %	not detected
Residual solvent		conform to ICH	conforms
Heavy metals		< 5 mg/kg	conforms
Arsenic		< 0,1 mg/kg	conforms
Lead		< 2 mg/kg	conforms
Mercury		< 0,1 mg/kg	conforms
Cadmium		< 1 mg/kg	conforms
Total mold & yeast count		< 100 cfu/g	conforms
Total aerobic microbial count		< 1000 cfu/g	conforms
Coliforms		< 3,0 MPN/g	conforms
Salmonella		N.d./25g	conforms
E.Coli		< 10 cfu/g	conforms
Staphylococcus aureus		N.d./25g	conforms

