

**TECHNICAL DATA SHEET**Effective date: 03.2021
Rev.2**Vitamin A (retinyl palmitate)****INFORMATION ON SUBSTANCE / MIXTURE**

INCI	Retinyl palmitate, Helianthus annuus seed oil, Tocopherol
Ingredients	Vitamin A palmitate, DL-alpha tocopherol, the assay is adjusted by adding pharmaceutical grade sunflower oil.
Chemical name of active ingredients	Retinyl palmitate, all trans retinol palmitic acid ester

TECHNICAL DATA**Physical parameters**

Appearance	Viscous liquid
Color	Yellow
Odor	Characteristic
Solubility	Soluble in hydrocarbons, chlorinated hydrocarbons, ether, fats and oil, insoluble in water. The solvent should not contain peroxides.
Units	1 international unit (IU)=0.550 µg vitamin A palmitate
Assay	Min. 1.0 million IU vitamin A (=300,000 RE) per gram
Retinyl palmitate	content 55.0-60.5% Ph.Eur./USP/FCC III
Sunflower oil	content 30-50% Ph.Eur
Vitamin E	content max. 2% Ph.Eur./USP/FCC/E 307

Chemical parameters

Chemical formula	C ₃₆ H ₆₀ O ₂
Molar mass	524.9 g/mol

TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	As Vitamin A is sensitive to atmospheric oxygen, light, moisture and heat it should be stored in unopened packaging, in a cool (max. 15°C), dry place. At the recommended storage temperatures, some of the vitamin A-palmitate may crystallize. Prior to use the product must be heated to 40°C in the unopened container and homogenized.
Shelf Life	36 months, in closed packaging and the recommended conditions.
Custom tariff	-

**TECHNICAL DATA SHEET**Effective date: 03.2021
Rev.2

Vitamin A (retinyl palmitate)

LEGISLATION

Certification	-
Food grade	The product is suitable to be used in food in accordance with CE Reg. 1334/2008
Kosher	The product is Kosher
Monographs	The product complies with the current "vitamin A concentrate, oily form, synthetic", Ph. Eur., "vitamin A" USP, FCC III and "vitamin A concentrate oil" IP monographs
Regulations	The product meets the regulatory requirements for vitamin A source in most countries. However, regulations on the ingredients used in the respective countries and for the intended use have to be observed.
EINECS	201-228-5
CAS	79-81-2
REACH pre-registration no.	-

DISCLAIMER

All warranty claims in respect to the conformity of our product are subject to our General Terms and Conditions of Sale and Delivery. The data listed above reflects the results of the manufacturer or our supplier quality tests. We do not hereby make any express or implied warranty, whether for specific properties or for fitness for any particular application or purpose. All values are valid for the product when dispatched from the works. We recommend you perform your own quality and or identification checks on receipt.