Retinyl Palmitate

$C_{36}H_{60}O_2$ · CAS 79-81-2 · Retinyl palmitate 1.0 MIU/g powder

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
Retinyl palmitate 1.0 MIU/g powder	$C_{36}H_{60}O_2$	79-81-2	1.0–1.1 MIU/g
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
HPLC	1 kg	1–7 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

Retinyl palmitate specified at 1.0–1.1 MIU/g by HPLC on a carrier; the palmitate ester and the acetate ester are different products with different stability and labels.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Assay (HPLC)	1.0–1.1 MIU/g	As stated
Appearance	Light yellow to yellow powder	As stated
Identification	HPLC and UV conform	As stated
Loss on drying	≤5.0%	As stated
Heavy metals	Pb ≤3 · As ≤2 · Cd ≤1 · Hg ≤0.1 mg/kg	As stated
Microbiology	APC ≤1,000 cfu/g · yeast and mould ≤100 cfu/g · E. coli and Salmonella absent	As stated
Particle size	≥95% through 80 mesh	As stated
Marker set	Retinyl palmitate 1.0–1.1 MIU/g (HPLC)	Identity
Solubility	Dispersible in water as supplied; the ester is fat-soluble.	Matrix dependent

APPLICATIONS

- Capsules and tablets
- Powder sticks and drink mixes

AVAILABLE FORMS

- Powder, 80 mesh
- Granulated on request

PACKING

- 1 kg foil pouch
- 25 kg fiber drum

STORAGE

Store in a cool, dry, well-ventilated area, away from direct sunlight and moisture. Keep the pack closed after sampling. The lot-specific retest date is shown on the batch COA.

DOCUMENTATION RELEASED WITH EACH LOT

- Batch-specific certificate of analysis
- Technical data sheet and safety data sheet
- Allergen, GMO, origin and residual-solvent statements
- Third-party reports on request

> **Catalog document.** This TDS describes the grade we can quote. The final specification, pack and documentation are confirmed in writing before the order. It is not a batch COA and does not report a result for a specific lot.