Vitamin A

$C_{22}H_{32}O_2$ · CAS 127-47-9 · Retinyl acetate 500,000 IU/g powder

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
Retinyl acetate 500,000 IU/g powder	$C_{22}H_{32}O_2$	127-47-9	≥500,000 IU/g
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
HPLC	1 kg	1–7 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

Retinyl acetate as a 500,000 IU/g spray-dried powder, specified for vitamin A content and carrier, for capsules and tablets where the IU figure and the carrier have to be declared.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Vitamin A (HPLC)	≥500,000 IU/g	As stated
Appearance	Light yellow to yellow, fine powder	As stated
Identification	HPLC retention time conforms	As stated
Loss on drying	≤5.0%	As stated
Carrier	Gelatin, sucrose and starch, declared	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 40 mesh	As stated
Marker set	Vitamin A ≥500,000 IU/g	Identity
Solubility	Dispersible in warm water; the vitamin is fat-soluble and is carried in a protective matrix.	Matrix dependent

APPLICATIONS

- Capsules and tablets
- Powder sticks and drink mixes

AVAILABLE FORMS

- 500,000 IU/g powder
- 250,000 IU/g on request
- Oil on request

PACKING

STORAGE

- 1 kg foil pouch
- 25 kg fiber drum

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.

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