Vitamin D3

$C_{27}H_{44}O$ · CAS 67-97-0 · Cholecalciferol 100,000 IU/g spray-dried powder on carrier

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
Cholecalciferol 100,000 IU/g spray-dried powder on carrier	$C_{27}H_{44}O$	67-97-0	≥100,000 IU/g (HPLC)
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
HPLC	1 kg	1–7 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

Cholecalciferol as a 100,000 IU/g spray-dried powder, specified for vitamin D3 content and carrier, for capsules, tablets and powder blends where the IU figure and the carrier have to be declared.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Vitamin D3	≥100,000 IU/g (HPLC)	As stated
Appearance	White to cream, water-dispersible powder	As stated
Identification	HPLC retention time conforms	As stated
Loss on drying	≤5.0%	As stated
Carrier	Starch, gum arabic or maltodextrin, declared	As stated
Particle size	≥95% through 40 mesh	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
Marker set	Vitamin D3 (≥100,000 IU/g; 2.5 mg/g)	Identity
Solubility	Dispersible in water; the vitamin is fat-soluble and is carried on a water-dispersible matrix.	Matrix dependent

APPLICATIONS

- Capsules and tablets
- Powder sticks and drink mixes
- Gummies and chews
- Functional beverages

AVAILABLE FORMS

- 100,000 IU/g powder
- 400,000 IU/g on request
- Oil 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.

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