Vitamin D2

$C_{28}H_{44}O$ · CAS 50-14-6 · Ergocalciferol, powder

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
Ergocalciferol, powder	$C_{28}H_{44}O$	50-14-6	97.0–103.0%
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
HPLC	1 kg	1–7 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

Vitamin D2 as ergocalciferol, specified at 97.0–103.0% by HPLC with melting point and the isomer profile; the D2 form and the carrier are part of the specification.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Assay (HPLC)	97.0–103.0%	As stated
Appearance	White crystalline powder	As stated
Identification	HPLC and UV conform	As stated
Melting point	115–118 °C	As stated
Loss on drying	≤0.5%	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	Ergocalciferol 97.0–103.0% (HPLC)	Identity
Solubility	Practically insoluble in water; soluble in fats and in organic solvents.	Matrix dependent

APPLICATIONS

- Capsules and tablets
- Oil-based blends

AVAILABLE FORMS

- Powder, 40 mesh
- Oil on request

PACKING

- 1 kg foil pouch

STORAGE

Store in a cool, dry, well-ventilated area, away from direct sunlight and moisture. Keep the pack closed after sampling.

- 25 kg fiber drum

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.

Shaanxi Rainwood Biotech Co., Ltd. · Rm 218, Tangxing Digital Bldg, #6 Tangxing Rd, Xi'an, Shaanxi, China

info@rainwoodbio.com · nutrition.rainwoodbio.com