Vitamin B12

$C_{63}H_{88}CoN_{14}O_{14}P$ · CAS 68-19-9 · Cyanocobalamin 1% spray-dried powder

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
Cyanocobalamin 1% spray-dried powder	$C_{63}H_{88}CoN_{14}O_{14}P$	68-19-9	≥1.0%
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
HPLC	1 kg	1–7 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

Cyanocobalamin as a 1% spray-dried powder, specified for vitamin B12 content and carrier, for capsules, tablets and sticks where the low dose makes the dilution and the assay the real specification.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Vitamin B12 (HPLC)	≥1.0%	As stated
Appearance	Pale red to pink, fine powder	As stated
Identification	UV maxima at 361 ± 1 nm and 550 ± 2 nm	As stated
Loss on drying	≤12.0%	As stated
Carrier	Starch or maltodextrin, 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 80 mesh	As stated
Marker set	Vitamin B12 ≥1.0% (HPLC)	Identity
Solubility	Soluble in water; the solution is red at typical use levels.	Matrix dependent

APPLICATIONS

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

AVAILABLE FORMS

- 1% powder, 80 mesh
- 0.1% on request
- Granulated 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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