

VITAMIN B12 (CYANOCOBALAMIN)

DESCRIPTION

Our vitamin B12 (cyanocobalamin) is derived from a proprietary natural fermentation process. Its incredible consistency makes it ideal for use in the human health, animal nutrition and cosmetics industries. This product combines vitamin B12 with a nonsoluble calcium carbonate and silica carrier for optimized mixability and handling. Unlike most products on the market, there is no free cyanide in the finished product.

COMPOSITION

Vitamin B12 (cyanocobalamin) ≥98%: CAS N° [68-19-9]. Other forms (0.1%, 1%, 5%, 10%), Carrier: (calcium carbonate, silica).

SPECIFICATIONS

Appearance	Very fine, free-flowing powder
Color	Light pink to reddish brown
Vitamin B12 content on dry matter	Min. 1% (10,000 mg/kg)
Weight loss on drying (100°C-4h)	Max. 4%
Chemical formula	C ₆₃ H ₈₈ O ₁₄ N ₁₄ P Co

DURATION OF GUARANTEE

Guaranteed against spoilage for (24) months from date of manufacture. Keep it in original, unopened packaging and store in a cool, dry place away from light.

PHYSICAL AND CHEMICAL PROPERTIES*

>500µm	Approx. 1%
<160µm	Approx. 75%
Density non-tapped	Approx. 1.0 g/cm³
Density tapped	Approx. 1.6 g/cm³
Solubility in water	Insoluble

^{*}These data which result from careful tests on representative samples, are provided for information purposes only and do not in any way constitute a guarantee.

PACKAGING

25 kilogram cardboard boxes (500 kgs pallet)

STORAGE

Airtight container, protected from light, dried.

METHOD OF ANALYSIS

Analytical method used for routine control of product conformity: internal method Z065 (HPLC).

SAFETY

The product Material Safety Data Sheet (MSDS) is available at www.hq-biosciences.com. This product is compliant with FAMI-QS, ISO 9001, HACCP, FSSC 22000 and PAS 222 (Halal, Kosher, non-GMO).