

SPECIFICATION

Product name Vitamin B12 0,1% SD on Maltodextrin (Cyanocobalamin)
Product code SP18-06
Production unit Xinchang NHU Vitamins

Description

Ingredients Vitamin B12 (Cyanocobalamin), maltodextrin (FCC), sodium citrate (E331), citric acid (E330)
Synonym Cyanocobalamin, Vitamin B 12
Formula $C_{63}H_{88}CoN_{14}O_{14}P$
Molecular weight 1335,4 g/mol
CAS-No. 68-19-9

Properties

Shelf life 36 months in unopened original packaging
Aspect pink free-flowing powder
Assay (GC) $\geq 0,1 \%$
Loss on drying $\leq 6 \%$
Solubility dispersible in cold water
Identification The retention time of the major peak of the sample solution corresponds to that of the standard solution, as obtained in the assay
Sieve analysis 100 % through sieve No. 60 (US)
 $\geq 95 \%$ through sieve No. 80 (US)

Heavy metals

Lead (Pb) $\leq 0,5 \text{ mg/kg}$
Arsenic (As) $\leq 1,0 \text{ mg/kg}$
Mercury (Hg) $\leq 0,1 \text{ mg/kg}$
Cadmium (Cd) $\leq 0,5 \text{ mg/kg}$



Microbiological specs

Total plate count	≤ 1000 CFU/g
Mould and Yeast	≤ 100 CFU/g
Coliforms	≤ 10 CFU/g
Salmonella	negative in 25 g
Staph. aureus	negative in 25 g

Handling

Usage	For food industry
Storage	Store in tight, light-resistant containers at ambient conditions.
Transport	See latest safety data sheet

The included active ingredient Vitamin B12 (Cyanocobalamin) complies with the current EP, USP and FCC.

NHU Life Science GmbH

