

SPECIFICATION

Product name Vitamin B12 SD 0,1 %
Product code SP18-06
Production unit Xinchang NHU Vitamins
Trade name Vitamin B12 SD 0,1 % on Maltodextrin Food Grade

Description

Ingredients Vitamin B12 (Cyanocobalamin), maltodextrin, sodium citrate, citric acid
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 cool 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 ≤ 10 mg/kg
Arsenic (As) $\leq 1,0$ mg/kg
Lead (Pb) $\leq 0,5$ mg/kg

Microbiological specs

Total plate count ≤ 1000 CFU/g
Mould and Yeast ≤ 100 CFU/g
Coliforms $< 0,3$ MPN/g
Salmonella negative in 25 g
Staph. aureus negative in 25 g

Handling

Usage	for food industry
Storage	store in tight, light-resistant containers, room temperature
Transport instructions	please see our latest MSDS.

The included active ingredient Vitamin B12 (Cyanocobalamin) complies with the current Cyanocobalamin Ph. Eur. and USP monographs.

NHU EUROPE GmbH