



## Specification

Concerning Product:	
Article number	68199-N01
Trade name / designation / denomination	Vitamin B12 0,1 % auf Mannit (Cyanocobalmin)
CAS number	68-19-9
Other names / synonyms	•Vitamin B12; •cyanocobalamin;
EC number	200-680-0
Customs tariff number / CN code / TARIC	29362600
Molecular weight [g / mol]	1355.37 g/mol
Formula	C <sub>63</sub> H <sub>88</sub> CoN <sub>14</sub> O <sub>14</sub> P

Parameter	Specification	Unit
<b>Organoleptic test</b>		
Appearance	free-flowing, reddish powder	
Odour	odourless	
<b>Physical parameter</b>		
Solubility	soluble in water, insoluble in organic solvents	
<b>Identity</b>		
Assay	cyanocobal: ≤ 1000	mg/kg
Assay	d-mannit: ≤ 999	g/kg
<b>Microbiological data</b>		
Escherichia Coli.	not detectable in 1 g	CFU/g
Salmonella	not detectable in 25 g	
Total Plate Count	≤ 5000	CFU/g
Yeast and Mould	≤ 200	CFU/g

### Regulatory information:

**Allergens statement:** According to Annex II of Regulation (EU) No **1169/2011** of the European Parliament and of the Council of 25th October 2011 and its amendment (EU) No **78/2014** on substances or products the above mentioned product does NOT cause allergies or intolerances and does NOT contain any allergens which have to be labelled according to these regulations.

**BSE/TSE statement:** Risk of BSE/TSE contamination can be excluded.

### **GMO statement: Genetic engineering:**

For the above mentioned product there is no obligation of g.m.o. labelling as defined by the Regulations (EC) No **1829/2003** and **1830/2003** of the European Parliament and the Council of 22<sup>nd</sup> September 2003.

### Supplemental information:

**Shelf life:** 12 month

**Derivation:** fermentation

### **Note: Rückverfolgbarkeit**

Gemäß der Verordnung (EG) Nr. **178/2002** ist die Rückverfolgbarkeit der Rohstoffe für das Produkt einen Schritt zurück und der produzierten Chargen einen Schritt vorwärts gewährleistet. Alle Anweisungen, die erforderlich sind, um diese Schritte auszuführen, sind im Qualitätshandbuch und -managementsystem nach IFS und BRC enthalten.

### **Traceability**

According to Regulation (EC) No **178/2002** the traceability of the raw materials for the product is guaranteed one step backwards and of produced batches one step forward. All instructions, which are necessary to take these steps, are implemented in the Quality manual and management system according to IFS and BRC.

**Storage conditions:** Protect from light and store cool and dry in well-closed original packaging. The temperature should not exceed 25 °C.

**Usage:** The product is suitable for a vegetarian nutrition.

The product is suitable for a vegan nutrition.

The product is suitable for lactose intolerance diet.

The product is suitable for people with coeliac disease and sprue.

The product is in compliance with Jewish dietary laws.

The product is in compliance with Islamic dietary laws.