



Technical Data Sheet

Vitamin B12 Coenzym (5'-Desoxyadenosylcobalamin) 98.5-101.0% P. (18887)

PRODUCT INFORMATION

Name	Vitamin B12 coenzyme powder
Scientific Name	Cobamamide
CAS-No.	13870-90-1

ITEM	SPECIFICATION	METHOD
Assay	98.5 - 102.0%	ChP 2020 <0512>
Appearance*	Dark red crystals or powder	Visual
Identification (1)	UV: The absorption spectrum exhibits maxima at 264nm, 285nm, 305nm, 460nm	ChP 2020 <0401>
Identification (2)	HPLC: The retention time of the major peak of the sample solution corresponds to that of the reference solution	ChP 2020 monograph
Identification (3)	The IR spectra of the sample is similar with the reference spectra	ChP 2020 monograph
Loss on Drying	max 10%	ChP 2020 <0831>
Hydroxocobalamin	UV: A460nm/A352nm ≥0.90	ChP 2020 <0401>
Related substances	The sum of each impurity peak area is not larger than 1.0% of the main area of the reference solution (1.0%)	ChP 2020 monograph
Acetone	≤0.5%	GC

*The color may vary

STATEMENTS

Food Quality and Safety	According to Reg. (EC) 178/2002
Hygiene of foodstuffs	In compliance with Reg. (EC) 852/2004
Hazard	Not dangerous in accordance with EU regulation (EC) No 1272/2008
Contaminants	According to Reg. (EC) 2023/915 for food supplements
Residual Solvents	According to Dir. (EC) 2009/32 and amendments
Pesticides	According to Reg. (EC) 396/2005 and amendments
Microbiology	Bacterial Count: TAMC-Bacteria: <1,000 cfu/g, TYMC: <100 cfu/g
GMO	GMO Free According to Reg. (EC) 1829/2003 and 1830/2003 and amendments
ETO	ETO free
Vegan	Conform
Irradiation	No ionization or other radiation is permitted According to Reg. (EC) 1999/2 and 1999/3 and amendments
BSE/TSE	Risk Free BSE/TSE
Allergen status	No allergens requiring labeling according to Reg. (EC) 1169/2011
Unintentional contact (traces) in the supply chain cannot be excluded.	
Packaging	According to Reg. (EC) 1935/2004 and 10/2011 and amendments

STORAGE AND HANDLING

Storage	Store in a well-closed container away from moisture and direct sunlight
Shelf Life	2 years if sealed and properly stored
Document status template	24.06.2024
Issue date	21.10.2024

All above information according to the manufacturer / supplier

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