



Technical Data Sheet

Vitamin B12 Cyanocobalamin 97% P. (18887)

PRODUCT INFORMATION

Name	Vitamin B12 Cyanocobalamin powder	
Scientific Name	Cyanocobalamin	
CAS-No.	68-19-9	
ITEM	SPECIFICATION	METHOD
Assay	97.0 - 102.0%	USP-NF 2023 monograph
Appearance*	Dark red crystals or amorphous or crystalline red powder	Visual
Identification (1)	UV: The absorption spectrum exhibits maxima at 278±1nm, 361±1nm, 550±2nm ; A361nm/A278nm: 1.70 - 1.90 A361nm/A550nm: 3.15 - 3.40	USP-NF 2023 monograph
Identification (2)	Cobalt: Meets USP requirements HPLC: The retention time of the major peak of the sample solution corresponds to that of the standard solution	USP-NF 2023 monograph
Identification (3)		USP-NF 2023 monograph
Loss on Drying	max 10%	USP-NF 2023 monograph/ USP <731>
	Total impurities ≤3.0%	
	7ß, 8ß-Lactocyanocobalamin ≤1.0%	
Related substances	34-Methylcyanocobalamin ≤2.0%	USP-NF 2023 monograph
	8-Epi-cyanocobalamin ≤1.0%	
	Any other unidentified impurity and 50-Carboxycyanocobalamin, 32-Carboxycyanocobalamin ≤0.5%	
Acetone	≤5,000ppm	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/TESE	Risk Free BSE/TESE
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	5 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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