



Technical Data Sheet

Vitamin B12 Hydroxocobalamin Chlorid P. (18887) Vitamin B12 Hydroxocobalamin Chloride P. (18887)

PRODUCT INFORMATION

Name	Vitamin B12 Hydroxycobalamin Chloride		
Synonyme	Hydroxocobalamin monohydrochloride, Vitamin B12a monohydrochloride, Hydroxocobalamin -hydrochlorid		
CAS	59461-30-2		
Complies	Ph. Eur 11.0	Chemical formula (Hill-System):	C62H89CoN13O15P · HCl
Origin	China	Carrier	None

ITEM	SPECIFICATION	METHOD
Assay	96.0-102.0%	Ph. Eur. monograph Ph.Eur.<2.2.25>
Appearance*	Dark red crystals or crystalline powder	Visual
Identification A	UV: Absorption maxima at 274±1nm, 351±1nm & 525±2nm A274nm/A351nm: 0.75-0.83 A525nm/A351nm: 0.31-0.35	Ph. Eur. monograph Ph.Eur.<2.2.25>
Identification B	TLC: The principal spot in the chromatogram obtained with the test solution is similar in position, colour and size to the principal spot in the chromatogram obtained with the reference solution	Ph. Eur. monograph Ph.Eur.<2.2.25>
Identification C	Chlorides: It gives reaction (a) of chlorides	Ph. Eur. monograph <2.3.1> Chlorides (a)
Loss on Drying	8.0-12.0%	Ph. Eur. monograph Ph.Eur.<2.2.32>
Related substances	≤5%	Ph. Eur. monograph Ph.Eur.<2.2.29> (HPLC)
Acetone	5,000ppm	GC
*The color may vary		

STATEMENTS

Food Quality and Safety	Only for research / marketability must be checked
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
Preservative	Preservative Free
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, Salmonella: negative, E. Coli: negative, S.
GMO	GMO Free According to Reg. (EC) 1829/2003 and 1830/2003 and amendments
ETO	ETO free
Vegan	Conform
Sterilization Method	High Temperature and Pressure
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
Palmoil	Palmoil free
NONE ANABOLICA/PRE-HORMONES STATEMENT	Free



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Unintentional contact (traces) in the supply chain cannot be excluded.

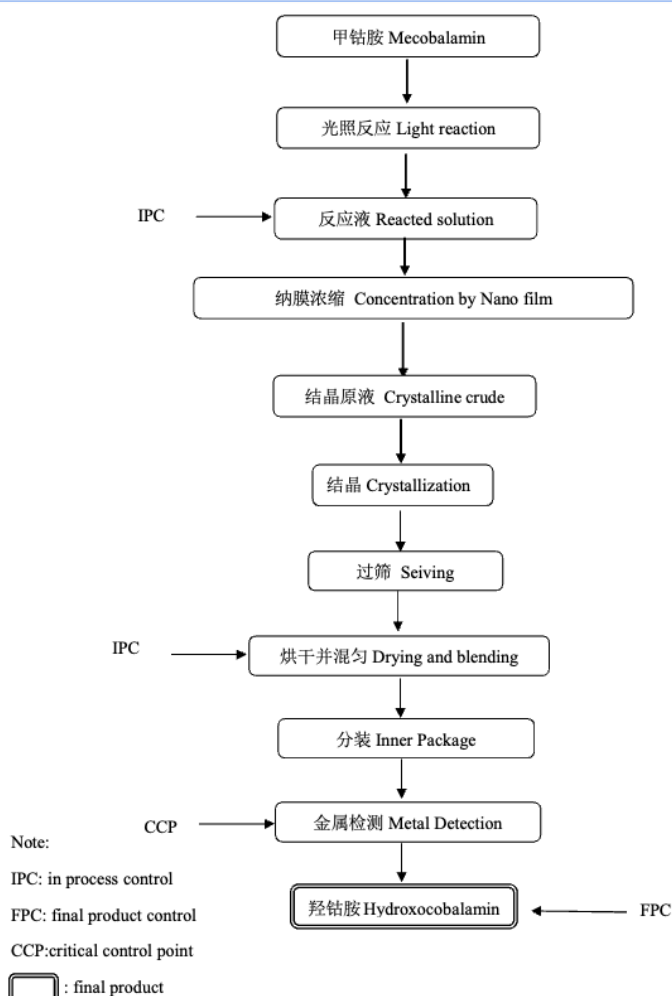
Nanomaterials	Absent According to Reg. (EC) 1169/2011
Titanium dioxide	Absent According to Reg. (EC) 2022/63
Packaging	According to Reg. (EC) 1935/2004 and 10/2011 and amendments

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 (V2)	28.04.2025

All above information according to the manufacturer / supplier

FLOW CHART



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