



Certificate of Analysis

Product name	Vitamin B12 Mecobalamin	Manufacture date	Nov.03.2023
Batch number	SW231103	Analysis date	Nov.05.2023
Batch Quantity	300kg	Expiry date	Nov.03.2025

ANALYSIS	SPECIFICATION	RUSULT
Description	Dark Red Crystal Powder	Conforms
Mecobalamin Purity	98% Mecobalamin	99.21%
Clarity of Hexane	Clear or Light Red	Conforms
Odor & Taste	Odorless and Tasteless	Conforms
Solubility	Freely soluble in ethanol isopropanol , slightly soluble in methanol , insoluble in water	Conforms
Melting point	31-46°C	38°C
Water	<0.5%	0.41%
Residue on Ignition	<0.2%	Conforms
Loss on drying	≤2.0%	1.23%
Heavy metals PPM	<10ppm	Conforms
Arsenic	<0.5%	Conforms
Other Related Substances ratio	0.010	Conforms
Identification:		
Ethanol + Potassium Hydroxide	Blue	Conforms
Ethanol + Sodium Hydrosulfite	Light Yellow or Red	Conforms
Absorption in isooctane	300nm-337nm	345nm
Absorbance Ratio A1 /A2	0.22-0.38	0.23
Conclusion	Complies with specification	

Packing description:	Sealed export grade drum & double of sealed plastic bag
Storage:	Store at 0°C temperature. Protect from moisture and light.
Shelf life:	2 years when properly stored

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