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Certificate of Analysis

Product:	<u>Cyanocobalamin</u>	Cert. No.:	<u>01240501001</u>
Batch No.	<u>012405010</u>	Mfg. Date :	<u>May.03,2024</u>
Weight:	<u>30039g</u>	Cert. Date :	<u>May.11,2024</u>
Expiry Date:	<u>May.02,2029</u>		

Test item	Specifications	Result
Characters	Dark red crystalline powder or dark red crystals.	Complies
Solubility	Sparingly soluble in water and in ethanol(96 percent),practically insoluble in acetone	Complies
Identification (A) (UV)	Absorption maxima at 278nm、 361nm and from 547nm to 559 nm	Complies
Ratio absorbances	A361/A278 nm 1.70-1.90	1.89
	A361/A550 nm 3.15-3.45	3.26
Identification (B) (TLC)	Conforms to standard	Complies
Identification C (Chemistry)	Positive	Complies
Related substances (HPLC)		
Total impurities	≤3.0%	0.9%
Loss on drying	≤12.0%	3.7%
Assay (on dry basis) (UV)	96.0~102.0%	99.1%
Residual solvent (GC)		
Acetone	≤0.5%	0.001%
Total plate count (Plate culture)	≤1000cfu/g	<10cfu/g
Yeasts & Moulds	≤100cfu/g	<10cfu/g
E.coli	Negative	Negative

Conclusion: This product complies with the specifications of IP 2022.

Edited by: 孙映茹

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