

SHANDONG OCTAGON CHEMICALS LIMITED

CERTIFICATE OF ANALYSIS

Product name	Vitamin B12 (Cyanocobalamin) (Cas 68-19-9)		
Batch No.	20200303	Mfg. date	2020.03.21
Rep. Date	2020.03.25	Exp. date	2025.03.20
Packing	25kg/drum	Batch Quantity	28.5KG
Test Items	Standards: USP40		Results
Character	A dark red crystalline powder, odorless and tasteless, very hygroscopic		conforms
Identification	Should conform		Conforms
Ratio absorbance	A361nm/A278nm: 1.70-1.90 A361nm/A550nm: 3.15-3.40		1.81 3.18
Pseudo cyanocobalamin	Should conform		Conforms
Loss on drying	NMT12.0%		2.5%
Microbial tests	Should conform		conforms
E Coli	Negative		ND
Residual solvents	Acetone: NMT0.5%		0.05%
Assay (on dried basis)	96.0~100.5%		98.9%
Conclusion	It meets the requirements of USP40 Standards		
Storage	Store in a well-closed container at ambient temperature		
Prepared by: LI	Reviewed by: WEI	Released by: Zhang	