



西安康诺化工有限公司
Kono Chem Co., Ltd

Certificate of Analysis

Product Name	Vitamin B12 Cyanocobolamin	Mfg. Date	Sep.05 .2020
Batch No.	PB200905	Testing Date	Sep.07 .2020
Batch Quantity	10kg	Exp. Date	Sep.05 .2022

Items	Specifications	Results
Appearance	Red crystalline powder,have no smell and tasteless	Complies
Identification A	A36 1nm/A278nm: 1.70-1.90 A36 1nm/A550nm:3.15-3.45	1.86
Identification A	The retention time of major peak of the sample solution corresponds to that of the standard Complies solutions	3.26 Complies
Pseudo Cyanocobalamine	Negative	Complies
Loss on drying	≤12.0%	2.8%
Assay on dried basis	99.0-102.0%	99.8%
Total impurities	≤3.0%	1.32
7β,8β-lactocyanocobalamin	≤1.0	Not detected
50-carboxycyanocobalamin	≤0.5	Not detected
34-methylanocobalamin	≤2.0	0.17
32-carboxycyanocobalamin	≤1.0	Not detected
8-Epi-cyanocobalamin	≤1.0	Not detected
Residual solvents	Acetone≤0.5%	0.11%
Microbiological		
Total Plate Count	≤1000cfu/g	<100cfu/g
Yeast & Mold	≤100cfu/g	Not detected
E.Coil	Negative	Complies

Conform with standards.

Storage: Store in cool & dry place, keep away from strong light and heat.

Shelf Life: 3 years when properl