

**ACROSS BIOTECH**

MAKE A DIFFERENCE

Certificate of Analysis

Product:	Cyanocobalamin pure	Cas No.:	68-19-9
Quantity:	40KGs	Package:	1kg/tin
MFG Date:	2021/5/19	Batch No.:	2021051901
EXP Date:	2026/5/13	Standard:	USP41

Item	Specification	Result
Appearance	Dark red crystals or amorphous or crystalline red powder	Conform
Identification A	A361nm/A278nm: 1.70-1.90 A361nm/A550nm: 3.15-3.40	1.86 3.26
Identification B	Cobalt: Meets USP requirements	Conform
Identification C	HPLC: The retention time of the major peak of the sample solution corresponds to that of the standard solution.	Conform
Loss on drying	≤10.0%	3.5%
Assay	97.0%-102.0%	99.2%
Related substances		
Total impurities	≤3.0%	0.9%
7β, 8β-Lactocyanocobalamin	≤1.0%	0.4%
34-Methylcyanocobalamin	≤2.0%	0.1%
8-Epi-cyanocobalamin	≤1.0%	0.2%
Any other unidentified impurity and 50-Carboxycyanocobalamin, 32-Carboxycyanocobalamin	≤0.5%	<0.5%
Acetone	≤5000ppm	91ppm
Total aerobic microbial count	≤1000cfu/g	<10cfu/g
Total combined yeasts/mould count	≤100cfu/g	<10cfu/g

Inspector: Meng Cheng

Checker: Yun Li

Cell: +86-531-68652497
Across Biotech Jinan Co., Ltd
sales@acrossbiotech.com; www.acrossbiotech.com