

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-08-13 13:46:56
 Date of Next Testing: 2027-08-13 13:46:56
 Product Name: **Dicyanocobinamide**
 CAS Number: 27792-36-5
 Specifications & Purity: Moligand™, ≥93%
 Lot #: H2402306
 SKU #: **D463289**
 Version: **1**
 Analysis #: **393298**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-10 (%)	2.00000 %
Solvent Content (by GC,(MeOH))	0-1 (%)	0.00000 %
Purity (HPLC)(Vitamin B12)	0-0.1 (%)	0.00000 %
Purity(spectrophotometric assay, dry basis)	93-105 (%)	95.00000 %
Carbon by Elemental Analysis(anhydrous)	52.8-60.5 (%)	55.70000 %
Nitrogen by Elemental Analysis (anhydrous)	16.0-18.5 (%)	16.90000 %
Cobalt(Dry Basis)	5.2-6.1 (%)	5.70000 %
Appearance(D463289)	Purple to Very Dark Purple Powder	Purple to Very Dark Purple Powder
Solubility(100 mg/mL H2O,Purple to Dark Purple Clear)	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager