

Gojira Fine Chemicals, LLC

Quality Products & Services Meeting Customer Needs
5386 Majestic Parkway, Suite 7, Bedford Heights, OH 44146
www.qojirafc.com • sales@qojirafc.com

Specification

Vitamin B12 (Cyanocobalamin) USP

Catalog Number: CC1008 **CAS Number:** 68-19-9

Molecular Formula: $C_{63}H_{88}CoN_{14}O_{14}P$

Molecular Weight: 1355.57

Storage: $15^{\circ}\text{C} - 30^{\circ}\text{C}$, protect from light

Retest Period: Four years from the date of manufacture

Test	Specification
Appearance	Dark red, crystalline powder/crystals
Assay	97.0 – 100.5%
Identification A	$A_{361}/A_{278} = 1.70 - 1.90$
	$A_{361}/A_{550} = 3.15 - 3.40$
Identification B	Meets USP requirement
Identification C	Meets USP requirement
Moisture (LOD)	≤ 10.0%
Related Substances	
Total Impurities	≤ 3.0%
7b,8b-Lactocyanocobalamin	≤ 1.0%
32-Carboxycyanocobalamin	≤ 1.0%
8-Epi-cyanocobalamin	≤ 1.0%
Any Other Impurity	≤ 0.5%
Residual Solvent	Acetone ≤ 0.5%
Total Plate Count	≤ 800cfu/g
Yeast & Mold	≤ 80cfu/g
E. coli	Negative

Date: February 26, 2018

Approved:

John Grubb, PhD Gojira Fine Chemicals

Quality Manager

Tel: 440-252-5397, Fax: 888-211-5523

docsupport@gojirafc.com