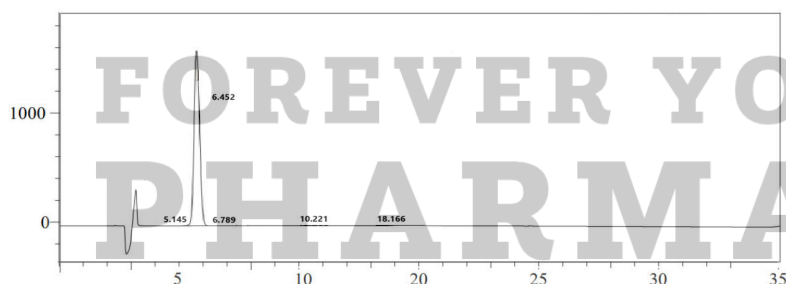


**CERTIFICATE OF ANALYSIS****SAMPLE INFORMATION**

Product Name	Vitamin B-12 (methycobalamin, cyanocobalamin, adenosylcobalamin, hydroxocobalamin) 1000mcg in 10mL Lipo-C
Client Name/Lot No.	Step One Ventures LLC /Batch# 001003
Sequence	C ₆₃ H ₈₈ CoN ₁₄ O ₁₄ P
Dissolution condition	100% H2O
Length	N/A
Molecular Weight	1355.37 g/mol

CHROMATOGRAM

Peak #	Ret. Time	Area %
1	5.145	0.210
2	6.452	98.909
3	6.789	0.540
4	10.221	0.300
5	18.166	0.041

TEST RESULTS

	Specifications	Results
Strength	1000.00 mcg/mL	1115.60 mcg/mL
Appearance	Red Suspension	Conforms
Purity	≥98.0%	99.0%
pH value	6.0-8.0	7.0
Impurity	Single Impurity ≤1.0%	0.5%
	Total Impurity ≤2.0%	1.0%

TEST PARAMETERS

Pump A	0.1% Tris Buffer in 100% water
Pump B	0.1% acetic acid in 100% acetonitrile
Total Flow	1.0ml/min
Wavelength	360 nm
Analytical Column Type	Agilent ZORBAX StableBond 5µm C18 (4.6*250mm*5 µm)
Dissolution Method	100% H2O
Injection Volume	30uL

CONCLUSION

One 10 ml vial contained a red suspension and has a clear cap with a silver foil and is Batch# 001003.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.0% Vitamin B-12 as Cyanocobalamin (1115.60 mcg/mL), and the rest are impurities of minor significance.

CERTIFIED BY:

Dane Fredericksen
Analytical Chemist
03/06/2025



****Verify the validity of test results by contacting support@foreveryoungpharmacy.com****