



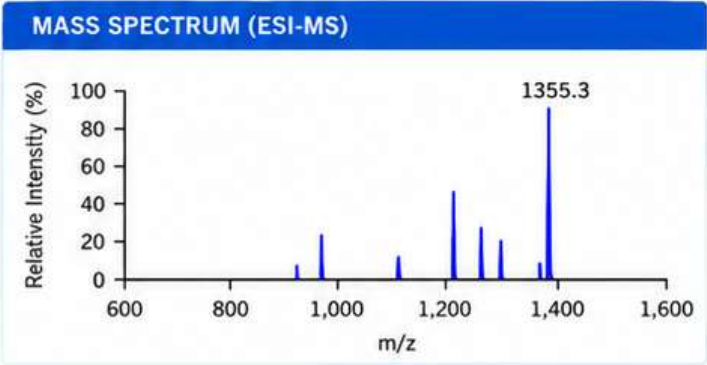
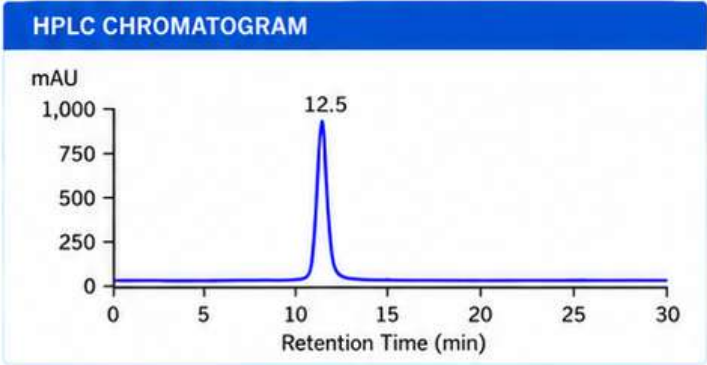
CERTIFICATE OF ANALYSIS

LABORATORY TEST RESULTS

Product Name:	Vitamin B12 (Injection)
Active Ingredient:	Cyanocobalamin
CAS Number:	68-19-9
Molecular Formula:	C ₆₃ H ₈₈ CoN ₁₄ O ₁₄ P
Molecular Weight:	1355.37 g/mol
Batch/Lot Number:	AMG-0525-001
Manufacture Date:	05/2025
Expiration Date:	05/2027
Storage Conditions:	Store at 2°C – 8°C (36°F – 46°F)
Intended Use:	For laboratory research purposes only



TEST	SPECIFICATION	RESULT	METHOD
Appearance	Red to dark red clear solution	Conforms	Visual Inspection
Identity (HPLC)	Retention time corresponds to reference	Conforms	HPLC
Purity (HPLC)	≥ 98.0%	99.4%	HPLC (UV 361 nm)
Assay (Cyanocobalamin)	98.0% – 102.0%	100.2%	HPLC
Related Substances	≤ 2.0%	0.4%	HPLC
Residual Solvents	Complies with ICH Q3C	Conforms	GC-MS
pH (if applicable)	5.0 – 7.5	6.2	pH Meter
Endotoxin (LAL)	≤ 10 EU/mg	< 1 EU/mg	LAL Test
Sterility (if applicable)	Complies	Conforms	USP <71>



CONCLUSION

The above product has been tested and found to comply with the specified quality standards. This batch meets the established criteria for identity, purity, and quality for research use only.

Dr. Michael R. Carter
Head of Quality Control
AMINO+GLP Research

QUALITY CONTROL
AMINO+GLP
LAB TESTED

SCAN TO VERIFY
COA ONLINE