

Specification

Technical Data Sheet

CAS**68-19-9****STORAGE****2 to 8 °C****MOLECULAR WEIGHT****1355.36****PRODUCT****Cyanocobalamin (Vitamin B12), ≥ 97%**

Product number	90037912
CAS number	68-19-9
Molecular formula	C63H88CoN14O14P
Molecular weight	1355.36 g/mol

PARAMETER**SPECIFICATION**

Appearance	Dark Red Solid
Assay	97.0 - 102.0%
Conclusion	Conforms to USP specification
Loss on Drying	≤ 10.0%
Identification A	UV: Absorption exhibits maxima at 278±1nm, 361±1nm and 550±2nm.
Other unknown single impurity	≤ 0.5%
Total Aerobic Count	≤ 1000cfu/g
Total Impurities	≤ 3.0%
Identification B	Cobalt: Meets USP requirements.
Identification C	HPLC: The retention time for the major peak of the sample solution corresponds to that of the standard.
Mould & Yeast	≤ 100cfu/g
Related Solvents - Acetone	≤ 5000ppm

**SPECIFICATION
STATEMENT**

The values stated above represent the standard specification for this product, issued under **Molekula Ltd**'s quality management system. Batch-specific results are provided on the Certificate of Analysis.

STORAGE

Store as indicated on the product label, away from light, moisture and incompatible materials.

Molekula Ltd would like to thank you for your support of our products and service.

Reg No 6879903 VAT GB 744 9721 05