

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	31909
Product	Methylcobalamin JP Grade
Lot Number	002786-170806 Cobinamide
CAS Number	13422-55-4
Molecular Formula	C ₆₃ H ₉₁ CoN ₁₃ O ₁₄ P
Molecular Weight	1344.38

Appearance	Dark red crystals or crystalline powder
Clarity & Color	Solution is clear and red color
Water Content (Karl Fisher)	4.1%
Yeast and Mold	< 10 cfu/g
Residual Solvents	37 ppm (Acetone, GC)
E. Coli	Negative
Microbial Count	< 10 cfu/g (Total plate count)
Salmonella	Negative
Staphylococcus Aureus	Negative
Related Substances	Single impurity: < 0.5% Total impurities: 1.1%
Assay	99.90%
Storage	Store at ≤ -20 °C
Additional Information	Identification by UV: Conforms to standard

Certificate of Analysis

Catalog Number: 31909

Lot Number: 002786-170806

Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager