

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

Product Specifications

Catalogue Number	01412
Product	Vitamin B₁₂ Cyanocobalamin
CAS Number	68-19-9
Molecular Formula	C ₆₃ H ₈₈ N ₁₄ O ₁₄ PCo
Molecular Weight	1355.37

Appearance	Dark red crystalline powder
UV Ratios	Wavelength range: 200-700 nm The absorption spectrum exhibits maxima at 278 ± 1, 361 ± 1, and 550 ± 2 nm. A ₃₆₁ /A ₅₅₀ nm = 3.15 - 3.40 A ₃₆₁ /A ₂₇₈ = 1.70 - 1.90
Loss on Drying	≤ 12%
Related Substances	7β, 8β-Lactocyanocobalamin : ≤ 1% 50-carboxycyanocobalamin : ≤ 0.5% 34-Methylcyanocobalamin : ≤ 2% 32-Carboxycyanocobalamin : ≤ 1% 8-Epi-cyanocobalamin : ≤ 1% Any other unidentified impurity : ≤ 0.5% Total impurities : ≤ 3%
Assay	96 - 102% (On dried basis)
Grade	Meets USP specification
Storage	Store at 0 - 8 °C
Additional Information	Identification B : A red or orange-red color appears immediately after the addition of nitroso R salt. The red color persists after boiling with the addition of hydro-chloric acid. Identification C: The retention of the major peak of the sample solution corresponds to that of the standard solution.

Product Specifications

Catalog Number: 01412

For Laboratory Use Only