

Specification

Technical Data Sheet

Product Name	Cyanocobalamin - Pyrogen Free (vitamin B12)
Product No	11519257
CAS Number	68-19-9
Storage Temperature	2 to 8 °C
Molecular Weight	1355.36
	Specification
Appearance	Dark red crystalline powder or dark red crystals
Acetone	≤ 5000ppm
Conclusion	Up to the EP10.3
Loss on Drying	≤ 10%
Total impurity	≤ 3.0%
Unspecified impurities	≤ 0.2%
32-Carboxycyanocobalamin	≤ 0.5%

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34-Methylcyanocobalamin	≤ 1.5%
50-carboxycyanocobalamin	≤ 0.5%
7β,8β-Lactocyamocobalamin	≤ 0.7%
8-epi-Cyanocobalamin	≤ 0.5%
Assay	97.0 - 102.0%
Total Yeast & Mould	≤ 100 cfu/g
UV Absorbance	Absorption maxima at 278nm,361nm and 547-559nm
A361/A278	1.70 - 1.90
A361/A550	3.15 - 3.45
Impurity F	≤ 0.5%
Total Aerobic Microbial Count	≤ 1000 cfu/g
