

SPECIFICATION

Vitamin B12

Parameters	Specification
CAS Number	68-19-9
Appearance	Dark red crystalline solid
Molecular Formula	C ₆₂ H ₈₈ CoN ₁₃ O ₁₄ P
Molecular Weight	1355.37 g/mol
Boiling Point	360 °C
Melting Point	230 °C
Flash Point	176 °C
Purity	98–99%
Refractive Index	1.53
Solubility	Soluble in water and methanol; insoluble in ether
Uses	Dietary supplement and food fortification; therapeutic agent for vitamin B12 deficiency