

ASES CHEMICAL WORKS

Brahm Bagh, Jalori Gate Jodhpur - 342001 Rajasthan-India

Ph: +91-9636889954

Email : ecom@ases.in Website : www.ases.in



CERTIFICATE OF ANALYSIS

1. Name of the Product	Vitamin B12
2. CAS Number	68-19-9
3. Formula	$C_{63}H_{88}CON_{14}O_{14}P$
4. Mol. Weight	1355.40
5. Batch No & Mfg. Date	As mentioned on Label
6. Date Of Exp	3 Years From MFG Date
7. Date of Analysis	Sept-2024

Sr.	Tests	Specifications	Results
1	Appearance	Dark red crystalline powder.	Dark red crystalline powder
2	Assay	96 - 100.5%	96.08%
3	Relative absorption	-	
4	at 361 nm/278 nm	1.70 - 1.90	1.86
5	at 361 nm/550 nm	3.15 - 3.40	3.27
6	Arsenic (As)	Max 0.0003%	0.00%
7	Copper (Cu)	Max 0.0025%	0.00%
8	Lead (Pb)	Max 0.001%	0.00%
9	Zinc (Zn)	Max 0.0025%	0.00%
10	Related Substances	Max 3.0%	< 3.0%
11	Methanol (GC,area %)	Max 0.3%	< 0.03%
12	Loss on drying	Max 12%	3.76%