

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Vitamin B12,98%

ITEM NUMBER: V104140
BRAND: Aladdin
CAS NUMBER: 68-19-9
MDL NUMBER: MFCD00151092
FORMULA: C63H88CoN14O14P
MOLECULAR WEIGHT: 1355.37

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
abs-ratio(2a/2b)(E550/E361)	0.29	0.32	0.32
abs-ratio(a/b)(E278/E361)	0.53	0.59	0.59
Appearance	Red to Very Dark Red Crystals or Powder		
Infrared spectrum	Conforms to Structure		
Loss on drying	0 %	10 %	10 %
Purity (HPLC)	98 %	100 %	100 %
Purity (UV method)	98 %	102 %	102 %
Solubility in water	Dark Red,10 mg/ml		
total bacterial count	0 cfu/ μ l /	800 cfu/ μ l /	800 cfu/ μ l /
total impurities	0 %	3 %	3 %