

CROWN SUPPLEMENTS

Raw Material Certificate of Analysis Record

CERTIFICATE OF ANALYSIS

Product Name:	Vitamin B12 Powder	Batch Number:	QGA20241023
Batch Size:	2500 KG		

ANALYSIS	SPECIFICATION	RESULT	METHOD
Cyanocobalamin	≥1%	1.03%	HPLC
Physical Description			
Identification	The retention time of the main peak of the sample is consistent with the retention time of the standard elution	Conforms	HPLC
Appearance	Light Red Powder	Conforms	Visual
Odor	Characteristic	Conforms	Organoleptic
Taste	Characteristic	Conforms	Olfactory
Particle size	98% through 0.25mm mesh	Conforms	GB/T5507-85
Loss on Drying	≤5.0%	0.3%	GB/T5009.3
Chemical Tests			
Total Heavy Metals	≤10 ppm	Conforms	AAS
Arsenic (As)	≤1 ppm	Conforms	AAS
Lead (Pb)	≤0.5 ppm	Conforms	AAS
Cadmium (Cd)	≤1 ppm	Conforms	AAS
Mercury (Hg)	≤1 ppm	Conforms	AAS
Microbiology Control			
Total Plate Count	≤1,000 cfu/g	Conforms	GB/T4789.2
Total Yeast & Mold	≤100 cfu/g	Conforms	GB/T4789.15
E. coli	Negative	Conforms	GB/T4789.3
Salmonella	Negative	Conforms	GB/T4789.4
Conclusion	Conforms to specification		
Packaging & Storage	Packed in paper carton outside and two PE bags inside. NW: 25KG		