



VALUE INTERNATIONAL GROUP LTD
HANGZHOU VALUE IMPORT & EXPORT CO.,LTD

CERTIFICATE OF ANALYSIS

Product Name	Vitamin B12 (Cyanocobalamin)		
Batch Number	C130760B	Package	0.1KG/TIN
Batch Quantity	15.0 Kg	Mfg Date	March 03, 2013
Exp. Date	March 02, 2018	Reported Date	March 06, 2013

TESTS	SPECIFICATIONS	results
Appearance	Dark red, crystalline powder or dark red crystals	Complies
Identification	A: A361nm/A278nm:1.70-1.90 A361nm/A550nm:3.15-3.40	1.85 3.25
	B: Meets USP requirements	Complies
	C: Meets USP requirements	Complies
Loss on Drying	Not more than 10.0% w/w	1.79%
Pseudo cyanocobalamin	Meets USP requirements	Complies
Residual solvent	Acetone \leq 0.5%	0.01%
Total plate count	\leq 800cfu/g	<10cfu/g
Yeasts and molds	\leq 80cfu/g	<10cfu/g
E.Coli	Negative	Complies
Assay	97.0%~100.5%	99.10%

Remark: The product complies with the requirement of USP35 standard