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CERTIFICATE OF ANALYSIS

Product Name:	Vitamin B12 (Cyanocobalamin)		
CAS No.:	68-19-9	Quantity	18kg
Rep Date	Dec. 27.2013	Batch NO.	20131227
MFG. Date	Dec. 27.2013	Expiry Date	Dec. 26.2018

Item	Specifications	Results
Description	Dark red crystalline powder, Have no smelly and tasteless, Hygroscopicity	Dark red crystalline powder, Have no smelly and tasteless, Hygroscopicity
Ratio Absorbances	A361nm/A278nm:1.70~1.90 A361nm/A550nm:3.15~3.40	1.85 3.27
Pseudo Cyanocobalamin	Complies	Complies
Loss on drying	≤12.0%	2.4%
Assay on dried	96.0~100.5%	98.9%
Bacteria	≤1000cfu/g	20cfu/g
Mould & Yeasts	≤100cfu/g	No found
E.Coli	Not found	Not found
Limit of residual solvents	Acetone≤0.5%	0.07%
Conclusion	The results conforms with USP34 standards	

Analyst:Sunjian

Checker:Lifang

Q.C.Director:Fangli

For and on behalf of
HAIHANG INDUSTRY CO., LTD.


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Authorized Signature(s)