



Jinan Hongfangde Pharmatech Co., Ltd.
Tel:86-531-55501998 Fax:86-531-88873618
hongfuda@gmail.com
www.hfdchem.com

CERTIFICATE OF ANALYSIS

Product name	Methylcobalamin		
Batch No.	20110812	CAS	13422-55-4
Report Date	2011.8.15	Expiry date	2013.8

Inspection Items	Accepted Standard	Results
Appearance	Dark red crystalline powder	Complies
Solubility	Sparingly soluble in water,slightly soluble in ethanol(99.5),and practically insoluble in acetonitrile	Complies
Solution Purity	Clear and red color	Complies
Related substance, (HPLC)	The largest area of the peaks: $\leq 0.5\%$	0.30%
	Total content: $\leq 2.0\%$	0.91%
Identification	1) UV: Compare the spectrum with the reference spectrum	Complies
	2) TLC :confirm to standard	Complies
	3) Chèmicàl: Positive	Complies
Water	$\leq 12.0\%$	8.4%
Assay,(on anhydrous basis)	$\geq 98.0\%$	99.2%
Residual solvents	Acetone ≤ 5000 ppm	Complies
Conclusion : Complies with the standard of JP14		

Analyst :shilijuan

Checker:maohongjun

Supervisor:wanghongfu

