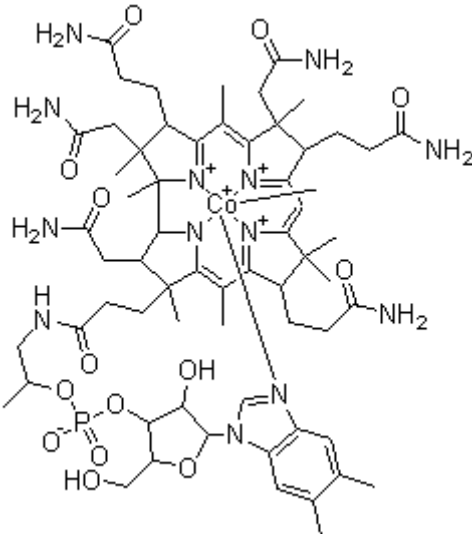


**HANGZHOU DINGYAN CHEM CO.,LTD**

TEL: 86-571-87157530,86465881,88025800, FAX:86-571-87156470

E-Mail:sales@dingyanchem.com,Web: www.dingyanchem.com

CERTIFICATE OF ANALYSIS**NO: DYC0818108012**

Product name	Mecobalamin
CAS Number	13422-55-4
Molecule Structure	
Molecule Formula	C63H91CoN13O14P
Batch number	20190529
Manufacture date	2019-05-29
Testing date	2019-05-29

Items	Standard	Result
Appearance	Dark red crystals or crystalline powder	Complies
Identification	(1) UV:Compare the spectrum with the reference spectrum, Both spectra exhibit similar intensities of absorption at the same wavelengths.	Complies
	(2) Cobalt:Meets JP requirement	Complies
Clarity and color of solution	The solution is clear and red color	Complies
Related substances	Each area of the peaks other than mecobalamin is not more than 0.5% of the peak area of mecobalamin	0.4%

Add: Xiasha 571,19TH Street E-COMMERCE 4A601-602,Jiangnan Area,Hangzhou,China



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	The total area of the peaks other than mecobalamin is not more than 2.0%	1.5%
Water	≤11.5%	5.0%
Assay (Calulated on the anhydrous basis)	98.5%-101.0%	99.1%
Acetone	≤5000ppm	553ppm
The total aerobic microbial count	≤1000cfu/g	<10cfu/g
The total combined yeasts/mould count	≤100cfu/g	<10cfu/g

Hangzhou Dingyan Chem Co., Ltd.

QUALITY CONTROL: 

CHECK: 姚仙娟

INSPECTOR: 刘清风