



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: **DYC081806052**

Product name	Norepinephrine Bitartrate (USP 38)
CAS Number	69815-49-2
Molecule Structure	
Molecule Formula	C12H19N010
Batch number	20180301
Manuf&Exp. Date	2018-03-01
Testing date	2018-03-01

Items	Standard	Result
Appearance	White crystalline powder	Complies
Identification	A: Infrared absorption(197K) B: An intensely green color develops C: The solution is colorless or has at a slight pink or slight violet color	A: Complies B: Complies C: Complies
Melting Point	98~104°C	100.4~101.8°C
Specific Rotation	-10.0°~-12.0°	-10.7°
Clarity	Clarity colorless	Complies
Limit of arterenone	A310nm≤0.2	0.01

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



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Water Content	4.5~5.8%	5.6%
Residue on ignition	≤0.1%	Complies
Assay(Dried)	97.0~102.0%	100.2%
Conclusion	The products complies with standard USP38	

Hangzhou Dingyan Chem Co., Ltd.
QUALITY CONTROL: *Cristina* CHECK:姚仙娟 INSPECTOR: 刘清风
Quality Control Signature(s)