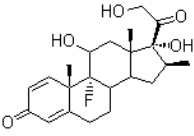


**HANGZHOU DINGYAN CHEM CO.,LTD**

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

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

CERTIFICATE OF ANALYSIS**NO: DYC031805041**

Product name	Betamethasone
CAS Number	378-44-9
Molecule Structure	
Molecule Formula	C ₂₂ H ₂₉ F ₀₅
Batch number	20180318
Manufacture date	2018-03-18
Testing date	2018-03-18
Expiry date	2020-03-17

Items	Standard	Results
Appearance	White or almost white crystalline powder	almost white crystalline powder
Solubility	Practically insoluble in water ,sparingly soluble in anhydrous ethanol, very slightly soluble in methylene chloride.	Complies
Identification (B,C)	Complies with the Standard	Complies
Specific optical Rotation	+118° ~+126°	+119.7°
Related Substances		
-Impurity A	Not more than 1.0%	0.03%
-Impurity B	Not more than 1.0%	N.d
-Impurity C	Not more than 1.0%	N.d
-Impurity D	Not more than 1.0%	0.02%
-Impurity E	Not more than 1.0%	N.d
-Impurity F	Not more than 1.0%	N.d
-impurity G	Not more than 1.0%	N.d
-impurity H	Not more than 1.0%	<0.05%
-impurity I	Not more than 1.0%	<0.05%
-Impurity J	Not more than 1.0%	0.15%
-Not more than one of such	More than 0.50%	Complies
-Each unknown impurity	Not more than 0.10%	0.07%
-total impurities	Not more than 2.0%	0.43%
Loss on drying	Not more than 0.5%	0.08%
Assay(HPLC, basis on drying)	97.0% ~103.0%	99.8%
Organic volatile substances		
Methanol	Not more than 3000ppm	Complies
Ethyl acetate	Not more than 5000ppm	Complies
Acetone	Not more than 5000ppm	Complies

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DMF	Not more than 880ppm	Complies
Dichloromethane	Not more than 600ppm	Complies
Chloroform	Not more than 60ppm	Complies
Particle size	100% ≤30um	complies
Packaging and storage: Preserve in tight, light-resistant containers.		
Conclusion: The test product complies with the requirements of EP8.		

QUALITY CONTROL:

Hangzhou Dingyan Chem Co., Ltd.

Quality Control Ivy
Signature(s)

CHECK: 姚仙娟

INSPECTOR: 刘清风

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