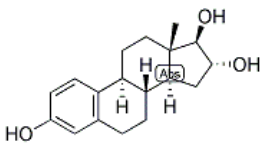


**HANGZHOU DINGYAN CHEM CO.,LTD**

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

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

CERTIFICATE OF ANALYSIS**NO: DYC031508281**

Product name	Estriol
CAS Number	50-27-1
Molecule Structure	
Quantity	5KG
Batch number	20190501
Manufacture date	2019-05-20
Report Date:	2019-05-21

Item	Spec.	Result
Appearance	White or practically white crystalline powder	Conforms
Identification	A:IR B:UV	Conforms
Melting point	About 280°C	282.2°C
Clarity of solution	The solution is clear and free from undissolved solid.	Conforms
Solubility	Soluble in alcohol, in acetone, in dioxane,and in vegetable oils;slightly soluble in solutions of fixed alkali hydroxides;practically insoluble in water.	Conforms
Loss on drying	≤0.50%	0.11%
Specific rotation	+54 ~ +62 °	+56.7 °
Related substances Total impurities	≤2.0%	Conforms
Residue on ignited	≤0.10%	0.08%
Residual solvents	(Ethyl acetate) ≤5000ppm (Alcohol) ≤5000ppm	560ppm 800ppm
Micron		90%≤10μm

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



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Assay	97.0%~102.0%	98.8%
Conclusion	Conform to USP41Standard	

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