

CERTIFICATE OF ANALYSIS


Product name	Estriol (USP38)	CAS	50-27-1
Batch Quantity	10kgs	Batch Number	AC16020
Manufacture Date	Nov. 15, 2016	Expiry Date	Nov. 16,2019

Content	Specification	Results
Appearance	White or practically white crystalline powder	Conform
Completeness of solution	The solution is clear and free from undissolved solid	Conform
Identification	A: IR B: UV	Conform
Melting point:	About 280°C	282.0°C
Specific rotation	Soluble in acetone, in chloroform,in dioxane,in ether and in Vegetable oil,sparingly soluble,in ethaol,insoluble in water	Conform
Residual solvent	THF≤720ppm	9ppm
	Ethyl acetate≤5000ppm	1030ppm
Loss on drying	≤0.5%	0.15%
Specific rotation	+54° ~ + 62°	+60.77°
Related substances Total impurities	≤2.0%	1.0%
Micron size	100% ≤30um	Qualified
Residual on ignition	≤0.1%	0.07%
Assay	97.0~102.0%	99.99%
Conclusion	This Product comlies to the standard of USP 38	

QC: Mr.Liu

Checker: Qiang

Analyst: Ms.Zhang

For and on behalf of
ANTIMEX CHEMICAL LIMITED
 安迪潤化工有限公司


 Authorized Signature(s)