

## TIANJIN JINJIN PHARMACEUTICAL CO., LTD. CERTIFICATE OF ANALYSIS

No.8 of Jingfu Road, Industrial Zone of Zhangjiawan Town, Xiqing District, Tianjin, China

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Report No.:	2023-074	Analytical No.:	2023-08-13	Page 1 of 1
Product Name:	Hydrocortisone			
Batch No.:	TA0588	Valid. Date:	2023.08.16	
Quantity:	25Kg	Retest Date:	2026.08.15	
Package:	drum or carton	Report Date:	2023.09.09	

Items	Requirements	Results
Appearance	a white or practically white, crystalline powder	White crystalline powder
Solubility(annual)	very slightly soluble in water and in ether; sparingly soluble in acetone and in alcohol; slightly soluble in chloroform.	Complies
Identification		
A. IR -spectrum	meets the requirement	Complies
B. UV Absorption	meets the requirement	Complies
Specific rotation	between +150° and +156°	+153.8°
Loss on drying	not more than 1.0 %	0.08%
Residue on ignition	not more than 0.5%	0.00%
Chromatographic purity		
Any individual impurity	not more than 0.5%	0.14%
Sum of impurities	not more than 2.0%	0.37%
Assay	between 97.0% and 102.0%	100.5%
Residual solvent(In-house)		
Methanol	not more than 3000ppm	105ppm
Ethanol	not more than 2000ppm	not detect out
Acetone	not more than 5000ppm	not detect out
DMF	not more than 880ppm	not detect out
Methylene chloride	not more than 600ppm	not detect out
Particle size(In-house)	90% not more than 15 microns	Complies

### CONCLUSION : THE PRODUCT CONFORMS TO USP41

Responsible Person : 张根亮

Checker: 王保强

Date: 2023.09.28

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