



**SHAANXI FUJIE PHARMACEUTICAL CO.,LTD**

**CETIFICATE OF ANALYS**



Product Name:	Ammonium Glycyrrhizinate	Source:	Product Department
Production Batch	2019080101	Quantity	200kg
Manufacturing Date	2019.08.07	Expiry Date	2019.08.06
Sampling Date	2019.08.08	Report Date	2017.08.14
Test Method	Standards of EP9.0		
Analysis	Specification	Results	
[Characters]			
Appearance	White to yellowish-white powder.	Complies	
Solubility	Slightly soluble in water, very slightly soluble in ethanol, practically insoluble in acetone. It dissolves in dilute solutions of acids and of alkali hydroxides.	Complies	
Identification:			
Infraed absorption spectrophotometry	Complies	Complies	
Chemical reaction	Complies	Complies	
Check			
Appearance of solution	Complies	Complies	
Specific optical rotation	+49.0-+54.0	+53.2	
Related substances			
18 a -glycyrrhizic acid	≤ 10.0%	6.2%	
Impurity A	≤ 5.0%	4.8%	
Any other impurity	≤ 2.0%	0.6%	
Sum of other impurities	≤ 7.0%	2.5%	
Heavy metals	≤ 20ppm	Complies	
Water	≤ 6.0%	5.6%	
Sulphated ash	≤ 0.2%	Complies	
Content	98.0%-102.0%(anhydrous substance)	98.7%	
Determined: The goods by the Standards of EP9.0 testing, the results of compliance.			

Inspector:Sunying

Re-inspector: Chanjun Pang

Quality Manager:Xiangjun Shi

Factory : Yuanqu Yi Road, Qinghe Food Industrial Park, Sanyuan County, Shaanxi Province, China

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