



Sichuan Province Yuxin Pharmaceutical Co.Ltd

No.51,West Section of Changjiang Road,Economic Development District(South District),Shifang
City,Sichuan Province,China.

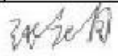
www.scyuxin.com

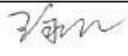
Certificate of Analysis

Product Name: Andrographolide Specification: Raw materials
Batch No: 210101 Packing: 25 kg/Drum
Representative Quantity: 500.12 kg Manufacturing Date: 08/01/2021
Analysis Basis: Chinese Pharmacopeia 2020 Expiry Date: 07/01/2023

Item	Specification	Result
【Characters】	It should be colorless crystal powder;Odourless;Bitter	Complies
【Melting range】	224~230℃	228.3~229.3℃
【Identification】		
(1) Chemical Reaction	Take about 10 mg of sample, and add 2ml of ethanol dissolved, then add each 2 drops of 2% 3, Dinitrobenzoic acid with ethanol solution and 5% KOH with ethanol solution , after shaking, the color change to purple red	Complies
(2) Chemical Reaction	Take about 10 mg of the sample, and add 2ml of ethanol dissolved, then add potassium hydroxide with ethanol solution 2 ~ 3 drops, fade in red, to change yellow after placed	Complies
(3) Absorption Maximum	Maximum absorption at the wavelength of 224nm	Complies
(4) IR Spectrum	The infrared absorption spectrum should be in agreement with the reference spectrum(spectrum collection 1095)	Complies
(5) Other Lactone	In the chromatography of the sample, except for the main spot, no other spots	Complies
【Tests】		
Loss on drying	≤1.0%	0.61%
Residue on ignition	≤0.1%	0.08%
Ethanol	≤0.5%,	0.28%
Chloroform	≤0.006%	0.00007%
【Assay】	95.0%~101.0%	98.85%

Microbial limit	Total Aerobic bacteria count $\leq 10^3$ cfu/g	60cfu/g
	Total mold & Yeast account $\leq 10^2$ cfu/g	<10cfu/g
Conclusion	It is in accordance with CP2020 .	

Manager of QC : 

Examiner: 

Analyst: 