

## L-Rhamnose Monohydrate COA



SICHUAN GUANG SONG PHARMACEUTICAL CO.,LTD.

No.332, Kong Gang Second Road, Southwest Airport Economic Development Zone, Shuangliu District, Chengdu, Sichuan

### CERTIFICATE OF ANALYSIS

<b>Product:</b>		<b>L-Rhamnose Monohydrate</b>	
Botanical Name	<i>Sophora japonica L.</i>	Batch Number	RM210106
Part Used	<i>Flos sophorae bud</i>	Quantity	25KGS
CAS NO	10030-85-0	Product Code	FP-003
Manufacturing Date	Jan.19, 2021	Expiration Date	Jan.18, 2024
Report Date	Jan.25, 2021	Country of Origin	China
Ratio of raw material to finished product: 78: 1		Extract Solvents: Water、ethanol	
Packing specifications、container: 25kgs 、 2 double PE Bags /1kraft drum			
Storage: Keep sealed in dry and cool place			

Test Description	Standard	Results	Methods
Appearance	White crystalline granule or power	Conforms	Visual method
Loss on Drying	≤12%	9.6%	GS
Calcium	≤10ppm	<10ppm	GS
Heavy metals	≤10ppm	Conforms	CP2015
As	≤1ppm	Conforms	AAS
Hg	≤0.1ppm	Conforms	AAS
Pb	≤1ppm	Conforms	AAS
Cd	≤1ppm	Conforms	AAS
Specific rotation	+7.5°~+9.5°	+9.0°	CP2015
Solubility:10% in alcohol	Clear, No Fallout	Conforms	GS
Reside on ignition	≤0.1%	0.03%	GS
Melting point	85~95°C	90~94°C	CP2015
Assay	≥98.0%	99.5%	HPLC
Microbiological test			
--- Bacteria	≤1000cfu/g	Conforms	CP2015
--- Yeast & Mould	≤100cfu/g	Conforms	
--- Salmonella	Negative	Negative	
--- Escherichia coli	Negative	Negative	

This product is tested according to in-house standard and the results meet the specifications.

Manager of Quality Unit \_\_\_\_\_

(Ma Jun)