

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Andrographolide	<b>Used Part</b>	Fruit
<b>Mfg. Date</b>	July,10, 2024	<b>Batch No.</b>	YOUTH2024071009
<b>Retest Date</b>	July.24, 2024	<b>Packing</b>	25kg/Drum
<b>Packing</b>	25kg/Drum	<b>Quantity</b>	188.25kg
<b>Expire Date</b>	July.9th, 2026	<b>Specification</b>	GB 2020 Edition 1

ITEM	SPECIFICATION	RESULT
<b>Description</b>		
Appearance	Colorless crystalline powder; Odorless	Complies
Water-Solubility	This product is dissolved in boiling ethanol, slightly dissolved in methanol or ethanol, very slightly dissolved in chloroform, and almost insoluble in water.	Complies
Tasted	Bitter taste	Complies
Melting point	224~230°C	Complies
<b>Distinguish</b>		
(1)	Should show purplish red	Complies
(2)	Show red and turn yellow after placement.	Complies
(3)	By UV-visible spectrophotometry, there should be a maximum absorption at 224nm wavelength.	Complies
<b>Testing</b>		
Other lactone	In the test chromatography, no other spots except the main spot	Complies
Ignition residue	No more than 0.1%	0.04%
Loss on drying	No more than 1.0%	0.3%
Assaying	Lactone containing C <sub>20</sub> H <sub>30</sub> O <sub>5</sub> should be 95.0%~101.0%	98.28%
<b>Conclusion</b>	Conform with specification	
<b>Storage</b>	Store in sealed containers at cool & dry place. Protect from light, moisture and pest infestation.	
<b>Shelf life</b>	2 years when properly stored	

Analyst:Guo Shan

QC MANAGER:Feng Li

