



**KS**  
Nutripharma

**陕西康盛生物技术有限公司**

**SHAANXI KINGSCI BIOTECHNOLOGY CO., LTD.**

Add: Rm 801-802 Fuedun International Fortune Center, Wenjing Rd, Xi'an 710018 China

Tel: 029-86181961

Fax: 029-86181551

www.kingsci.com

## Certificate of Analysis

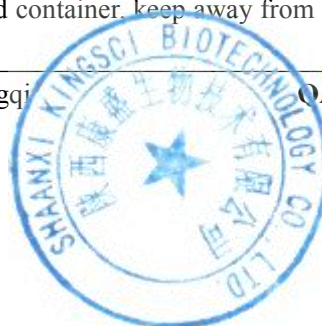
Product	Cyanotis Arachnoidea Extract	Source	<i>Cyanotis arachnoidea C.B. Clarke</i>
Part Used	Root	MFG Date	Oct. 11, 2019
Batch No.	KS20191011	Analysis Date	Oct. 15, 2019
Quantity	100	Expiry Date	Oct. 10, 2021

Item	Standard	Result
Appearance	Off-white to white powder	Complies
Identification	Positive	Positive
Odor	Characteristic	Complies
Taste	Characteristic	Complies
Assay (Ecdysterone, by HPLC)	≥98%	98.3%
Loss on drying	≤5.0%	3.06%
Residue on Ignition	≤0.5%	Complies
Heavy metals	≤10ppm	Complies
<b>Microbiological control</b>		
Total plate count	≤1000cfu/g	Complies
Yeast & mold	≤100cfu/g	Complies
Escherichia coli	Negative	Negative
Salmonella	Negative	Negative
<b>Storage:</b>	Store in a well-closed container, keep away from strong light and heat.	

**Analyst:** He Weifei

**Checker:** Li wangqi

**QA:** Li Yaqiang





**KS**  
Nutripharma

**陕西康盛生物技术有限公司**

**SHAANXI KINGSCI BIOTECHNOLOGY CO., LTD.**

Add: Rm 801-802 Fuedun International Fortune Center, Wenjing Rd, Xi'an 710018 China  
Tel: 029-86181961 Fax: 029-86181551 www.kingsci.com

## **MOA OF VYANOTIS ARACHNOIDEA (ECDYSTERONE)**

### **1. Apparatus**

1.1 equipment: liquid chromatograph Agilent1260

1.2 Reagent: acetonitrile (chromatographically pure), deionized water

### **2. Condition**

chromatographic column: Agilent Eclipse XDB- C18 4.6×150mm 5μm

mobile phase: acetonitrile : water(15:85, V/V)

flow velocity: 1.0mL/min

wavelength: 242nm

sensitivity: 0.01AUFS

column temperature: 25°C

sample size: 10μL

### **3. Solution preparation**

#### **1. Preparation of reference solution**

Accurately take 5mg Ecdysterone into a 25mL volumetric flask and dissolved in the mobile phase - acetonitrile to get final solution.

#### **2. Sample solution preparation**

Accurately take about 20mg Ecdysterone into flask and dissolve in 40mL acetonitrile. After 20min ultrasonic oscillation, let stand to room temperature. After volume determined, Filter with 0.45 microporous filter membrane to get sample solution

### **4. Determination of the sample**

Under the above condition, Wait until the instrument and baseline is stable. 10ul sample is tested. With The retention time is about 11mi. The content was calculated by the external standard method.