

Certificate of Analysis

Product name	Bakuchiol	Batch No.	22011122
Source	Psoralea corylifolia Linn.	Manufacturing Date	2022.01.11
Report Date	2022.01.11	Expiration Date	2024.01.10
Testing basis	Enterprise Standard		
Testing Item	Specification	Test Result	Status
Appearance	Reddish brown oil	Reddish brown oil	Pass
Identification	MS/NMR data should be consistent	Positive	Pass
Total heavy metals	<20mg/kg	<5mg/kg	Pass
Residual solvents	≤5,000ppm	Complies	Pass
Loss on Drying	≤5.0%	0.8%	Pass
Analyte	Specification	Test Result	Status
Assay-Bakuchiol	>98.00%	98.5%	Pass
Assay-Psoralen	Negative	Undetected	Pass
Assay-Isopsoralen	Negative	Undetected	Pass
Microbiological Test	Specification	Test Result	Status
Total Plate Count	≤10,000cfu/g	< 100cfu/g	Pass
Yeast an Mold	≤100cfu/g	< 10cfu/g	Pass
E.Coli	Negative	Negative	Pass
Salmonella	Negative	Negative	Pass
Storage: In air tight fully filled container in a cool,dark and dry place protected from direct source of heat and sunlight.			
Conclusion: The above results meet the requirements.			

Analyst

Checker

Manager


Test Method

Fructus Psoraleae Extract Bakuchiol 98% HPLC

1. Chromatographic conditions

Chromatographic column: SinoChrom ODS-BP 5 μ m 4.6 \times 250mm

Mobile phase: methanol: water (grads)

Grads condition			
Time/min	0	35	60
MeOH	70	95	95
H2O	30	5	5

Flow rate: 0.8mL/min

Detection wavelength: 260nm

Column temperature: 25 $^{\circ}$ C

Sample size: 20 μ L

2. Solution preparation

Preparation of Control Solution: Accurately weigh about 2.5 mg of Bakuchiol reference in 25 ml of volumetric flask, dissolve with methanol and volume to the scale.

Preparation of Sample Solution: Accurately weigh about 2.5mg of Fructus Psoraleae Extract sample in 25 ml of volumetric flask, add methanol and dissolve fully. Volume to scale with methanol, filter with 0.22 μ m of microporous membrane.

3. Sample determination

Under the above chromatographic conditions, after the stable baseline of the instrument is stable, the standard solution is then diluted by 2 times and 5 times, inject separately and the standard curve is established.

Compared with the standard curve, the content of Bakuchiol in the sample was calculated by external standard method.

