



Certificate of Analysis

Product Name	Star Anise Seed Extract	CAS NO.	138-59-0
Lot No.	KT20230728	Batch Quantity	100kgs
Manufacture Date	2023/07/28	Expiry Date	2025/07/28
Extraction Solvent	Ethyl alcohol	Country of origin	P.R.China
Non-Irradiated / Non-ETO/ Treat by Heat Only / Non-GMO			

Analysis Items	Specifications	Results	Test Method
Assay	Shikimic acid $\geq 98\%$	98.2%	HPLC
Physical and chemical properties			
Appearance	Fine white powder	Conforms	Organoleptic
Odour	Slight, Specific	Conforms	Organoleptic
Solubility	Easily soluble in water, the solubility in water is 18g/100ml		
Particle Size	$\geq 100\%$ Through 80 mesh	Conforms	Ch.P.C.Rule47
Ash	$\leq 0.5\%$	0.21%	Ch.P.C.Rule2302
Loss on drying	$\leq 5.0\%$	2.33%	Ch.P.C.Rule52
Heavy Metals	$\leq 10.0\text{ppm}$	Conforms	Atomic Absorption
Cadmium(Cd)	$\leq 1\text{ppm}$	Conforms	Atomic Absorption
Mercury(Hg)	$\leq 0.1\text{ppm}$	Conforms	Atomic Absorption
Arsenic(As)	$\leq 2\text{ppm}$	Conforms	Atomic Absorption
Lead(Pb)	$\leq 2\text{ppm}$	Conforms	Atomic Absorption
Residual Solvents			
- Ethanol	$\leq 5000\text{ PPM}$	Conforms	Gas Chromatography
Microbiological Quality (Total viable aerobic count)			
Total Plate Count,cfu/g	$\leq 1000\text{ CFU/g}$	Conforms	Ch.P.C.Rule80
Mold and yeast Count,cfu/g	$\leq 100\text{ CFU/g}$	Conforms	Ch.P.C.Rule80
E. coli	Negative	Negative	Ch.P.C.Rule80
Salmonella	Negative	Negative	Ch.P.C.Rule80
Staphylococcus aureus	Negative	Negative	Ch.P.C.Rule80
*Storage Condition: Store in tightly closed plastic bag and keep in a cool dry place. Do not freeze. Keep always from strong direct light.			
*Safety Precaution: Wearing of protective goggles or safety glasses is recommended.If accidentally instilled into the eyes,immediately rinse thoroughly with water and get medical care. Wash skin with soap and water upon contact.			
Conclusion	Confirm to Specification and Standards.		

Analyst: Zou Yuchi

Checker: Wang Pan

