



### Certificate of Analysis

Product Name	Quillaja Extract	Botanical Source	Quillaja Saponaria Bark
Lot No.	KT20250703	Batch Quantity	141 kg
Mfg Date	2025/07/03	Report Date	2025/09/26
Extraction Solvent	Water/Ethyl alcohol	Country of origin	P.R.China
Non-Irradiated / Non-ETO/ Treat by Heat Only / Non-GMO			

Analysis Items	Specification	Results	Test Method
Assay of total saponins	-	66.69%	UV
Identification	Positive	Complied	TLC
Extract ratio	30:1	Conforms	-
<b>Physical and chemical properties</b>			
Appearance	Brown powder	Complies	Visual
Odour	Slight, Specific	Conforms	Smell
Particle Size	≥95% Through 80 mesh	Conforms	CP2020
Bulk density	40-60g/ml	Conforms	CP2020
Loss on drying	≤7.0%	4.1%	GB 5009.3
Ash	≤5.0%	3.8%	GB 5009.4
<b>Heavy Metals</b>	≤10.0ppm	Conforms	Atomic Absorption
Cadmium(Cd)	≤ 1.0ppm	Conforms	Atomic Absorption
Mercury(Hg)	≤ 1.0ppm	Conforms	Atomic Absorption
Arsenic(As)	≤ 1.0ppm	Conforms	Atomic Absorption
Lead(Pb)	≤ 1.0ppm	Conforms	Atomic Absorption
<b>Microbiological Quality (Total viable aerobic count)</b>			
Total Plate Count,cfu/g	≤1,000 CFU/g	Conforms	GB 4789.2
Total Yeast and molds	≤ 100 CFU/g	Conforms	GB 4789.15
E. coli	Negative	Negative	GB4789.3
Salmonella	Negative	Negative	GB 4789.4
Staphylococcus aureus	Negative	Negative	GB 4789.10
<b>*Storage Condition:</b> Store in tightly closed plastic bag and keep in a cool dry place.			
<b>*Shelf life:</b> 2 years when properly stored.			
<b>*Safety Precaution:</b> 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.			
<b>Conclusion</b>	Confirm to Specification and Standards.		

Analyst: Zou Yuchi

Checker: Wang Pan

Q.C.: Andy Chen

Factory Address: East 16-3-1, Zhongnan High-tech Airport Industrial Park, Airport New City, Xixian New Area, Shaanxi, China.  
Tel: +86-29-8525 4454  
Email: sales@kintaibio.com  
Web: www.kintai-bio.com

Cell phone: +86-133 4743 6038

