



Certificate of Analysis

Product Name	Horse chesnut seed extract	Botanical Source	Aesculus Wilsonii Rehd
Lot No.	KT20240115	Batch Quantity	600kg
Mfg Date	2024/01/15	Report Date	2024/01/16
Extraction Solvent	Water/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 (Aescin)	Aescin $\geq 20.0\%$	20.3%	UV
Identification	Positive	Complied	TLC
Physical and chemical properties			
Appearance	Almost white or light-yellow powder	Complies	Visual
Odour	Slight, Specific	Conforms	Organoleptic
Particle Size	$\geq 98\%$ Through 80 mesh	Conforms	Ch.P.C.Rule47
Loss on drying	$\leq 5.0\%$	0.43%	Ch.P.C.Rule52
Heavy Metals	$\leq 10.0\text{ppm}$	Conforms	Atomic Absorption
Cadmium(Cd)	$\leq 1.0\text{ppm}$	Conforms	Atomic Absorption
Mercury(Hg)	$\leq 0.1\text{ppm}$	Conforms	Atomic Absorption
Arsenic(As)	$\leq 1.0\text{ppm}$	Conforms	Atomic Absorption
Lead(Pb)	$\leq 2.0\text{ppm}$	Conforms	Atomic Absorption
Residual Solvents			
- Ethanol	$\leq 1000\text{ PPM}$	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.			
*Shelf life: 2years when stored properly.			
*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.		

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