

Certificate of Analysis

Product Name	Saw Palmetto Extract	Botanical Name	Serenoa Repens
Mfg Date	2026/04/10	Lot No.	KT20260410
Expiry Date	2028/04/09	Batch Quantity	500g(Sample use)
Ref. standard	Enterprise standards	Country of origin	P.R.China
Non-Irradiated / Non-ETO/ Treat by Heat Only / Non-GMO			
Analysis Items	Specification	Results	
Characteristic	White granule	Complies	
Solubility	Soluble in Hexane	Complies	
Extract Ratio	8:1-50:1	Complies	
Plant part used	Ripe berries (fruit)	Complies	
Mesh Size	40-60 Mesh	Complies	
Identification	Positive	Complies	
Assay (Total Fatty Acid)	≥ 85.00%	90.33% by GC	
Total Sterols	≥ 0.2%	0.23%	
β-Sitosterol	≥ 0.1%	0.13%	
Lauric acid	24.00 - 30.00%	28.09%	
Oleic acid	26.00 - 35.00%	29.48%	
Myristic acid	10.70 - 12.20%	11.35%	
Palmitic acid	7.70 - 9.50%	8.25%	
Linoleic acid	3.00 - 7.00%	5.42%	
Capric acid	1.90 - 3.00%	2.03%	
Caprylic acid	1.70 - 3.20%	2.01%	
Caproic acid	1.30 - 3.20%	1.96%	
Stearic acid	1.20 - 1.90%	1.43%	
Linolenic acid	0.55 - 0.85%	0.77%	
Fatty alcohols	0.15 - 0.35%	0.29%	
Moisture	≤ 3.00%	2.15%	
Relative density	0.850 - 0.950	Complies	
Refractive index (20°C)	1.400 - 1.500	Complies	
Peroxide Value	≤5.0	2.6	
Acid Value	150-220	172	
Saponification Value	220 - 250	235	
Iodine Value	30-60	50	
Total Heavy Metals(As Pb)	≤ 10 ppm	Complies	
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Arsenic (As As ₂ O ₃)	≤ 0.5 ppm	Complies	
Pb	≤ 3.0 ppm	Complies	

Factory Address: East 16-3-1, Zhongnan High-tech Airport Industrial Park, Airport New City, Xixian New Area, Shaanxi, China.

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Analysis Items	Specification	Results
Cd	≤ 1.0 ppm	Complies
Hg	≤ 1.0 ppm	Complies
PAH's	≤ 50 $\mu\text{g/kg}$	Complies
Benz(a)pyren	≤ 10 $\mu\text{g/kg}$	Complies
Residual Solvent	Meet EC 32/2009	Complies
Pesticide Residue	Meet Reg 396/2005 EC	Complies
Microbiological control		
Total plate count	< 1000 cfu/g	Complies
Yeast & mold	< 100 cfu/g	Complies
Coliform	Negative	Complies
Salmonella	Negative	Negative
*Storage Condition: Store in tightly closed plastic bag and keep in a cool dry place. Keep always from strong direct light.		
*Shelf life: 2 Years When Stored properly.		
Conclusion	Confirm to Specification and Standards.	

Analyst: Zou Yuchi

Checker: Wang Pan



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