

CERTIFICATE OF ANALYSIS

Product Name	Gotu Kola Extract		
Botanical Source	<i>Centella asiatica(L.) Urban</i>		
Batch Quantity	500kg/20Drums		
Part Used	Herba	Extraction Solvent	Water & Ethanol
Batch Number	20220516	Manufacture Date	20220516
Report Date	20220516	Expiry Date	20240515

ITEM	SPECIFICATION	TEST RESULTS	METHOD
PHYSICAL&CHEMICAL			
Assay	Total triterpenes \geq 80.0%	81.2%	HPLC
Appearance	Light yellow powder	Complies	Organoleptic
Particle Size	98% through 80 mesh	100% Pass 80 mesh	USP<786>
Bulk Density	30-65g/100ml	Complies	USP<616>
Loss on Drying	\leq 3.00%	2.25%	USP<731>
Ash	\leq 3.00%	0.33%	USP<281>
CONTAMINANTS			
Lead(Pb)	\leq 3.0ppm	Complies	ICP-MS USP<730>
Arsenic(As)	\leq 2.0ppm	Complies	ICP-MS USP<730>
Cadmium(Cd)	\leq 1.0ppm	Complies	ICP-MS USP<730>
Mercury(Hg)	\leq 0.1ppm	Complies	ICP-MS USP<730>
Solvents Residue	Meet USP Requirements	Complies	GC USP<467>
Pesticides Residue	Meet USP Requirements	Complies	USP<561>
MICROBIOLOGICAL			
Total Plate Count	\leq 1,000cfu/g	60 cfu/g	USP<2021>
Yeast & Mold	\leq 100cfu/g	Complies	USP<2021>
E.Coli	Absent	Complies	USP<2022>
Salmonella	Absent	Complies	USP<2022>
Staphylococcus aureus	Absent	Complies	USP<2022>

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.

