

CERTIFICATE OF ANALYSIS

Product Name	GUARANA SEED EXTRACT 22%		
Date of Analysis	25-04-2025	Date of Manufacturing	Apr-2025
Batch No.	HCFCDE25004/03	Date of Expiry	Mar-2028
T.R. No.	HC/HE/F/06/2025/2610		
Category	Intended for nutraceutical applications	Plant Part	Seed
Botanical name	<i>Paullinia cupana</i>	Standardization	Caffeine

Parameters	Specifications	Result	Reference
Physical			
Description	Light brown coloured powder	Complies	Visual
Identification	To comply with std	Complies	TLC
pH of 1 % w/v aq. soln	4.0-7.0	4.56	USP<791>
Loss on drying	Not more than 6% w/w (dried at 105°C)	1.64% w/w	USP<731>
Ash Content	Not more than 20% w/w	3.26% w/w	USP<561>
Bulk density			
Untapped density	0.30-0.70 g/ml	0.61g/ml	USP<616>
Tapped density	0.50-1.00 g/ml	0.76g/ml	USP<616>
Sieve Test (Passes through)			
60 mesh	Not less than 100%	Complies	USP<786>
80 mesh	Not less than 85%	88.76%	USP<786>
Chemical Assay			
Caffeine Content	Not less than 22% w/w	22.68% w/w	IN HOUSE
Others			
ETO	ETO free	Complies
PAH	Not more than 50 ppm	Complies
PAs	Not more than 200 µg/g	Complies
Total heavy metals	Not more than 20 ppm	Complies	USP<232>
Cadmium	Not more than 1 ppm	Complies	USP<232>
Lead	Not more than 3 ppm	Complies	USP<232>
Arsenic	Not more than 1 ppm	Complies	USP<232>
Mercury	Not more than 0.1 ppm	Complies	USP<232>

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Microbiological Profile			
Total aerobic microbial count	Not more than 10000 cfu/g	Complies	USP
total combined yeasts and molds count	Not more than 1000 cfu/g	Complies	USP
Escherichia coli	Negative	Complies	USP
Salmonella	Negative	Complies	USP
Staphylococcus aureus	Negative	Complies	USP
Pseudomonas aeruginosa	Negative	Complies	USP

Additional Information	
Sanitising treatment	Non-irradiated and not treated with ETO
Genetic Modification Status	GMO free
BSE/TSE Status	BSE/TSE free
Country of Origin	India
Storage condition	Store at ambient temperature

*Since it is a herbal product, there is likely to be minor color variation from batch of the product because of the geographical and seasonal variations of the raw material.

*Natural products can be hygroscopic and may agglomerate sometimes, It is suggested to shift the product before use.

Remarks:The product complies as per the specification.

Disclaimer:Suitability of this product for its particular use is at the sole discretion of the purchaser