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SPECIFICATION SHEET

Guarana Seed Extract 22%

Batch Quantity	1000KG	**Country of Origin**	China
Botanical Source	*Paullinia Cupana*	**Part Used**	Seed(100% Natural)
Appearance	Brown Fine Powder		
Solvents Used	Water	**Carrier Used**	Maltodextrin/Caramel
Sterilization Method	Heat ‖ NON-IRR	**Kosher ‖ Halal**	Yes ‖ No

ITEMS	**SPECIFICATION**	**METHOD**
Content	Caffeine≥ 22%	HPLC ‖ USP<621>
Identification	Correspond to standard	TLC ‖ USP<201>

PHYSICAL CHARACTERISTICS		
Particle Size	NLT 95% Through 80 mesh	Analytical sieving ‖ USP <786>
Loss on Drying	NMT 5.00%	USP <731>
Solubility	100% water solube	In house
Tapped Density	Between 40-70g/100ml	USP <616> Method I
Bulk Density	NLT 0.60g/ml	USP <616> Method I
CHEMICAL CHARACTERISTICS		
Pesticide Residue	Meets USP/EU Requirements	GC ‖ USP <561>
Heavy Metals(as Pb)	NMT 10ppm	USP <231> Method II
Arsenic (As)	NMT 0.5ppm	ICP-MS
Lead (Pb)	NMT 0.5ppm	ICP-MS
Cadmium(Cd)	NMT 0.1ppm	ICP-MS
Mercury(Hg)	NMT 0.1ppm	ICP-MS
MICROBIOLOGICAL CHARACTERISTICS		
Total Plate Count	NMT10000cfu/g	USP<61>
Total Yeast & Mold	NMT1000cfu/g	USP<61>
E.Coli	Not Detected in(g) 10	USP<61>
Salmonella	Not Detected in(g) 25	USP<61>
Staphylococcus	Not Detected in(g) 10	USP<61>

Packing and Storage

Polyethylene bag with carton. 25kg net.
Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Note: The above information is based on the certificate of analysis received from the manufacturer of this product and not intended as a substitute for strict quality control analysis by the purchaser of this product.

Reviewed by : _____

Abdullah Malik (QA)