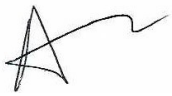
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SPECIFICATION SHEET

Product Name	HOPS EXTRACT 20:1 TLC	
Botanical Species	Humulus lupulus	
Country of Origin	China	
Solvent Used	Water	
Used Part	Flower (100% Natural)	
Carrier Used	Dextrin	
Kosher || Halal	Yes || No	
Appearance	Yellow Brown Fine Powder	
Sterilization	Heat || NON-IRR	
ITEMS	**SPECIFICATION**	**METHOD**
Ratio	20:1	TLC || USP <20>
Identification	Correspond to standard	TLC || USP <20>
PHYSICAL CHARACTERISTICS		
Particle Size	NLT 95% through 80 mesh	Analytical sieve USP <786>
Loss on Drying	NMT 5.00%	USP <731>
Total Ash	NMT 5.00%	USP <561>
Bulk Density	Between 40 – 60 g/100ml	USP <616> Method I
CHEMICAL CHARACTERISTICS		
Pesticide Residue	Meet the requirements	GC || USP <561>
Heavy Metals (as Pb)	NMT 10 ppm	USP <231> Method II
Arsenic (As)	NMT 2 ppm	ICP-MS
Lead (Pb)	NMT 2 ppm	ICP-MS
Cadmium (Cd)	NMT 1 ppm	ICP-MS
Mercury (Hg)	NMT 1 ppm	ICP-MS
MICROBIOLOGICAL CHARACTERISTICS		
Total Plate Count	NMT 10000 cfu/g	USP <61>
Total Yeast & Mold	NMT 1000 cfu/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 cardboard drum. 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)