

QUALITY CONTROL TECHNICAL DATA SHEET GREEN TEA EXTRACT 90% POLYPHENOLS

Product Name : Green Tea Ext 90% Polyphenol **Product Code** : GTE50PG
Country of Origin : India **Plant Part Used** : Root

Characteristic	Specification	Test Method
Physical		
Identification	Positive	TLC
Appearance	Fine Powder	Visual
Color	Yellow	Visual
Odor & Taste	Characteristic	Organoleptic
Particle Size	95% (through 40 mesh)	USP 43 <786>
Bulk Density	0.3 gm/ml to 0.6 gm/ml	USP 43 <616>
Tap Density	0.4 gm/ml to 0.7 gm/ml	USP 43 <616>
Chemical		
Total Polyphenols	NLT 90% (Dry Basis)	UV-VIS
Total Catechins	NLT 60%	HPLC
EGCG	NLT 40%	HPLC
Caffeine	NMT 2%	HPLC
Loss on Drying (Moisture)	NMT 5%	USP 43 <731>
pH	3 - 6	USP 43 <791>
Excipients	None	In House Specification
Carriers	None	In House Specification
Extraction		
Extraction Medium	Hydro-Alcoholic	In House Specification
Heavy Metals		
Lead	NMT 3 ppm	ICP-MS
Mercury	NMT 1 ppm	ICP-MS
Arsenic	NMT 1 ppm	ICP-MS
Cadmium	NMT 1 ppm	ICP-MS
Microbiology		
Total Plate Count	NMT 1000 cfu/gm	AOAC-BAM
Yeast & Mold	NMT 100 cfu/gm	AOAC-BAM
E.coli	Absent / 10gm	AOAC-BAM
Coliforms	NMT 10 gfu/gm	AOAC-BAM
Salmonella	Absent / 25 gm	AOAC-BAM

Shelf Life : 24 months from mfg. date in original packing under unopened condition
Storage : Store in a cool dry place, away from sunlight, moisture, at room temperature
Note: There might be minor color variation from batch to batch on account of seasonal variation of the raw material. Color variation does not impact the efficacy and quality of the final product.