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Technical Data Sheet

Product and Batch Information			
Product Name:	SPI-Green Tea Extract 80	Latin Name:	Cameilia sinensis O. Ktze
Part Used:	Leaves	Extract Solvent:	Water
Excipient Used:	None	Shelf Life:	2 years

Item	Specification	Test Method
Physical		
Appearance	Brown Powder	Visual
Odor	Characteristic	Sensory
Taste	Characteristic	Sensory
Loss on Drying	≤5.0%	2g/105 ±5 °C/3h
Insoluble ash	≤10.0%	2g/650 ± 50 °C/5h
Particle Size	98% pass 80 mesh	Sieve
Chemical Control		
Heavy Metals	≤10ppm	Atomic Absorption
Arsenic(As)	≤1ppm	Atomic Absorption
Lead(Pb)	≤3ppm	Atomic Absorption
Mercury(Hg)	≤0.1ppm	Atomic Absorption
Cadmium(Cd)	≤1ppm	Atomic Absorption
Residual Solvents	≤5000ppm	GC
Aflatoxins	≤5.0ppb	CP2010
Assay		
Total Tea Polyphenols	≥80.0%	UV
EGCG	≥35%	HPLC
Catechin	>55%	HPLC
Caffine	≤10.0%	HPLC
Microbiological Control		
Total Plate Count	≤10000cfu/g	CP2010
Yeast & Mold	≤300cfu/g	CP2010
Coliform	≤30mpm/100g	CP2010
Salmonella	Negative	CP2010
Packing and Storage		
Packing	Pack in Paper-drums & two food grade bags inside 25 Kg/drum.	
Storage	Store in closed container away from moisture and sunlight.	
Shelf Life	2 years if sealed and stored properly	