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Technical Data Sheet

Product and Batch Information			
Product Name:	SPI-Echinacea Purpurea Extract	Latin Name:	Echinacea Purpurea
Part Used:	Flower & Leaf	Extract Solvent:	Water
Excipient Used:	None	Shelf Life:	2 years

Item	Specification	Test Method
Physical		
Appearance	Brownish yellow Powder	Visual
Loss on Drying	≤5.0%	5g/105°C/2hrs
Insoluble ash	≤5.0%	2g/800°C/4hrs
Particle Size	95% pass 80 mesh	Sieve
Chemical Control		
Heavy Metals	≤20ppm	Atomic Absorption
Arsenic(As)	≤2ppm	Atomic Absorption
Lead(Pb)	≤3ppm	Atomic Absorption
Mercury(Hg)	≤0.2ppm	Atomic Absorption
Cadmium(Cd)	≤0.3ppm	Atomic Absorption
BHC	≤0.1ppm	GC
DDT	≤0.1ppm	GC
PCNB	≤0.1ppm	GC
Aflatoxin	≤5ppb	CP2010
Assay		
Polyphenols	≥4.0%	UV
Microbiological Control		
Total Plate Count	≤10000cfu/g	CP2010
Yeast & Mold	≤10000cfu/g	CP2010
E.Coli	Negative	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	