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Technical Data Sheet

Product and Batch Information			
Product Name:	SPI-Horse Chestnut Extract	Latin Name:	Aesculus Wilsonii Rehd
Part Used:	Seed	Extract Solvent:	Ethanol & Water
Excipient Used:	None	Shelf Life:	2 years

Item	Specification	Test Method
Physical		
Appearance	Brown-Yellow Powder	Visual
Loss on Drying	≤5.0%	5g/105°C/2hrs
Insoluble ash	≤5.0%	2g/800°C/4hrs
Particle Size	100% pass 80 mesh	Sieve
Density	0.4 – 0.7 g/ml	M/V
Chemical Control		
Heavy Metals	≤20ppm	Atomic Absorption
Arsenic(As)	≤1ppm	Atomic Absorption
Lead(Pb)	≤2ppm	Atomic Absorption
Mercury(Hg)	≤0.5ppm	Atomic Absorption
Cadmium(Cd)	≤1ppm	Atomic Absorption
Ethanol Residue	≤5000ppm	GC
Assay		
Aescin	≥20%	UV
Microbiological Control		
Total Plate Count	≤10000cfu/g	CP2010
Yeast & Mold	≤1000cfu/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	