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## Technical Data Sheet

Product and Batch Information			
Product Name:	SPI-Panax Gensing Extract	Latin Name:	Panax ginseng. A. Mey
Part Used:	Stem & Root	Extract Solvent:	Ethanol & Water
Excipient Used:	None	Shelf Life:	2 years

Item	Specification	Test Method
<b>Physical</b>		
Appearance	Light yellow/brown fine Powder	Visual
Odor	Characteristic	Sensory
Taste	Characteristic	Sensory
Loss on Drying	≤5.0%	5g/105°C/2hrs
Insoluble ash	≤5.0%	2g/800°C/4hrs
Particle Size	100% pass 80 mesh	Sieve
<b>Chemical Control</b>		
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
Pesticide Residuals	USP	GC
Residual Solvent	≤5000ppm	GC
Aflatoxin	≤5ppb	CP2010
<b>Assay</b>		
Ginsenosides	≥7.0%	HPLC
<b>Microbiological Control</b>		
Total Plate Count	≤10000cfu/g	CP2010
Yeast & Mold	≤1000cfu/g	CP2010
E.Coli	Negative	CP2010
Salmonella	Negative	CP2010
<b>Packing and Storage</b>		
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	