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RAW MATERIAL SPECIFICATION

Siberian Ginseng Root

(US. Ph. Grade)



General Information		
Other Names	: Eleutherococci radix, Acanthopanax Senticosi Radix, Eleuthero	
Definition	: Siberian Ginseng, also name as Eleuthero, is the dried rhizome with roots of Eleutherococcus senticosus.	
Part Used	: Root	
Botanical/Scientific Name	: Eleutherococcus Senticosus	
GM Status	: Not Genetically Modified	
Allergen Status	: Not Allergen	
Cultivated/Wild	: Cultivated and Wild	
Country Of Origin	: China	
Harvesting Period	: Spring and Autumn	
Treatment After Harvesting	: Drying	
Sanitising Treatment After Harvesting	: None	
H.S.Code	: 1211.90	
ITEMS	SPECIFICATION	METHOD
Physical & Chemical Data		
Macroscopic/microscopic ID	The rhizome is knotty and of irregular cy-lindrical shape with a diameter of 15, 40 mm. The heartwood area is light brown, and the connecting splint wood is pale yellow. The bark is approximately 2 mm thick and is firmly affixed to the xylem. The surface is gray-brown or black-brown, coarse, and longitudinally valliculate and plicate. A broken rhizome is coarse and fibrous, particularly inside the xylem. The fractured surface of the bark shows short, thin fibers. Numerous roots spring from the underside of the rhizome. These roots are 35-150 mm long, cylindrical and knotty, with a diameter of 3-15 mm. The surface of the roots is gray-brown to black-brown, smoother than the rhizome, and has longitudinal stripes. A 0.5-mm thin bark is tightly affixed to the pale yellow xylem. A broken root is sparsely fibrous and appears yellowish-gray where the thin epidermis is flaked off.	
Analytical Quality		
HPLC CHROMATOGRAMS		
Eleutheroside B+E	: $\geq 0.08\%$	HPLC
Loss on Drying	: $\leq 14.0\%$	Eur.Ph.
Total ash	: $\leq 8.0\%$	Eur.Ph.
Foreign Organic Matter	: $\leq 3.0\%$	Eur.Ph.
Contaminants		
Lead (Pb)	: ≤ 2.0 mg/kg	Eur.Ph.
Arsenic (As)	: ≤ 2.0 mg/kg	Eur.Ph.
Cadmium (Cd)	: ≤ 1.0 mg/kg	Eur.Ph.
Mercury (Hg)	: ≤ 0.1 mg/kg	Eur.Ph.
Pesticides Residue	: Meet USP Requirements	USP
Packing & Storage	: Packed in PP Bag /Carton and two plastic-bags inside. N.W: 10-30kgs Store in a well-closed container. Away from moisture, light, oxygen.	
Shelf life	: 24 months under the conditions above and in its original packaging.	