

SPECIFICATION SHEET

Tetrahydropalmatine 98% HPLC

GENERAL INFORMATION

Botanical Species	Fibraurea recisa Pierre	Part Used	Root
Country of Origin	China	Carrier Used	None
Solvent Used	Water & Ethanol	Kosher Halal	No No

ITEM	SPECIFICATION		METHOD
PHYSICAL & CHEMICAL			
Identification	Corresponds to Reference Standard		HPLC USP<621>
Appearance	Off-white to light yellow crystalline powder		Organoleptic
Tetrahydropalmatine	NLT (%)	98.0	HPLC USP<621>
Residue on Ignition	NMT (%)	0.5	USP<281>
Particle Size	NLT	95% through 50 mesh	USP<786>
Loss on Drying	NMT (%)	2.0	USP<731>
Bulk Density	Between (g/100ml)	30–70	USP<616> Method I

CONTAMINANTS			
Lead (Pb)	NMT (ppm)	2.0	ICP-MS USP<730>
Arsenic (As)	NMT (ppm)	2.0	ICP-MS USP<730>
Cadmium (Cd)	NMT (ppm)	1.0	ICP-MS USP<730>
Mercury (Hg)	NMT (ppm)	1.0	ICP-MS USP<730>
Solvent Residue	Meets Requirements		GC USP<467>
Pesticide Residue	Meets Requirements		USP<561> Modified

MICROBIOLOGICAL			
Total Plate Count	NMT (cfu/g)	10,000	USP<2021>
Yeast & Mold	NMT (cfu/g)	1,000	USP<2021>
E. Coli	Absent (cfu/10g)		USP<2022>
Salmonella	Absent (cfu/10g)		USP<2022>
Staphylococcus aureus	Absent (cfu/10g)		USP<2022>

PACKING & STORAGE

Packed in a polyethylene lined corrugated package.
 Store in a well-closed container away from moisture, light, and heat.

SHELF LIFE

36 months if under the conditions above and in its original packaging.

NOTE

This is a natural product, variances may be found that are due to the growing and drying conditions, age, season, harvest time, geographic location, production process, etc.