

CERTIFICATE OF ANALYSIS
PINE BARK EXTRACT 95% by UV

Product	Pine Bark Extract 95% by UV		
Product Code	THX1681		
Batch No	THLX/PIN/110/21		
Date of Manufacturing	Dec 2021		
Re- Analysis Date	Nov 2024		
Quantity	200 Kg		
Botanical name	<i>Pinus massoniana Lamb.</i>		
Extract Solvent	Water & Ethanol		
Country of Origin	India		
Part Used	Bark		
Parameter	Specification	Result	Method/Protocols
Physical			
Description	Reddish brown powder with characteristic taste and odor	Complies	Physical
Loss on drying	Not more than 5.0%	3.06%	USP<731>
Ash	Not more than 5.0%	0.61%	USP<561>
Loose density	0.300-0.700g/ml	0.3337g/ml	USP<616>
Tapped Density	0.400-0.800g/ml	0.5351g/ml	USP<616>
Particle size	98% pass through 80 mesh	Complies	USP<786>
Others			
Heavy metals	Not more than 10 ppm	Complies	USP<231>
Arsenic	Not more than 2.0 ppm	0.105ppm	USP<852>
Lead	Not more than 2.0 ppm	0.128ppm	USP<852>
Cadmium	Not more than 1.0 ppm	≤0.05ppm	USP<852>
Mercury	Not more than 0.1 ppm	≤0.05ppm	USP<852>
Aflatoxins	≤0.2ppb	Absent	HPLC
Chemical			
Assay- Proanthocyanidis	≥95.0%	97.50%	UV-Vis
Residual Solvent			
Residual Solvent	≤5000ppm	Complies	Gas Chromatography
Microbiological Profile			
Total plate count	Not more than 1000cfu/g	≤10CFU/g	USP<61>
Yeast and mould count	Not more than 1000cfu/g	≤10CFU/g	USP<61>
<i>Escherichia coli</i>	Absent	Absent	USP<62>
<i>Salmonella</i>	Absent	Absent	USP<62>
Since the product is derived from natural origin, there is likely to be minor color variation because of the geographical and seasonal variations of the raw material			
REMARKS: COMPLIES WITH IN-HOUSE SPECIFICATIONS			

Declaration: -

GMO Status: - Free from GMO
Irradiation status: Non – Irradiated

Allergen Statement: -Free from allergen
Storage condition - Low Temperature

Prepared by
Executive – QC

Approved by
Head-QC/QA

*The product is manufactured by Pure TruHerb Pvt. Ltd