

CERTIFICATE OF ANALYSIS

Product Name	ASPHALTUM (SHILAJIT) EXTRACT-50%		
Category	Intended for nutraceutical applications	Plant Part	Whole bituminous substances
Botanical name	<i>Asphaltum</i>	Standardization	Fulvic acid

Parameters	Specifications	Result	Reference
Physical			
Description	Brown coloured powder	Complies	Visual
Loss on drying	Not more than 6.0% w/w	4.21% w/w	USP <731>
Sieve Test (Passes through)			
60 mesh	Not less than 100% w/w	100% w/w	USP <786>
80 mesh	Not less than 85% w/w	87.46% w/w	USP <786>
Identification	To comply with std	Complies	TLC
pH of 1 % w/v aq. soln	4.0-7.0	5.21	USP <791>
Bulk density			
Untapped density	0.30-0.70 g/ml	0.47 g/ml	USP <616>
Tapped density	0.50-1.00 g/ml	0.56 g/ml	USP <616>
Chemical Assay			
Content of Fulvic acid By Gravimetry	Not less than 50%w/w	50.68%w/w	IN-HOUSE
Others			
Total heavy metals	Not more than 20 ppm	Complies	USP <232>
Lead	Not more than 3 ppm	Complies	USP <232>
Arsenic	Not more than 1 ppm	Complies	USP <232>
Cadmium	Not more than 1 ppm	Complies	USP <232>
Mercury	Not more than 0.1 ppm	Complies	USP <232>
ETO	ETO free	Complies
PAH	Not more than 50 ppm	Complies
PAs	Not more than 200 µg/g	Complies

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Parameters	Specifications	Result	Reference
Microbiological Profile			
Total aerobic microbial count	Not more than 10000 cfu/g	Complies	USP
Total yeasts and molds count	Not more than 1000 cfu/g	Complies	USP
Escherichia coli	Negative/10g	Complies	USP
Salmonella	Negative/10g	Complies	USP
Staphylococcus aureus	Negative/10g	Complies	USP
Pseudomonas aeruginosa	Negative/10g	Complies	USP

Additional Information

Sanitising treatment	Non-irradiated and not treated with ETO
Genetic Modification Status	GMO free
BSE/TSE Status	BSE/TSE free
Country of Origin	India
Storage condition	Store at ambient temperature

*Since it is a herbal product, there is likely to be minor color variation from batch of the product because of the geographical and seasonal variations of the raw material.

*Natural products can be hygroscopic and may agglomerate sometimes, It is suggested to shift the product before use.

Remarks:The product complies as per the specification.

Disclaimer:Suitability of this product for its particular use is at the sole discretion of the purchaser

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Product and Batch Informations

VITAMIN B6 PYRIDOXAL 5'-PHOSPHATE

REF : PLP.001

Origin (natural/synthetic)

Synthetic

Country of manufacturing

Asia - China

ANALYSIS ITEM	SPECIFICATION	RESULT	TEST METHOD
Active Ingredients/Substance to control			
Assay	98,5 – 101,0 %	99,1%	CP<0512>
Physical/Chemical Control			
Appearance	Slightly yellow or off-white powder	Complies	Visual
Water by KF	NMT 10,0%	8,3%	CP<0832>
Melting point	140 - 145°C	143°C	CP<0612>
B6 free Vitamin B6	NMT 0,05%	0,03%	CP<0512>
Particle size	NLT 90% through 30 mesh	Complies	CP<0982>
Solubility	Very slightly soluble in water, soluble in alkali-OH solution	Complies	CP General Notices
pH (in 0.25% water)	2,6 – 3,0	2,8	CP<0631>
Contaminant Control*			
Lead (Pb)	NMT 3ppm	Complies	CP<0412>
Arsenic (As)	NMT 2ppm	Complies	CP<0412>
Cadmium(Cd)	NMT 1ppm	Complies	CP<0412>
Mercury (Hg)	NMT 0,1ppm	Complies	CP<0412>
Microbiological Control			
Total aerobic microbial	NMT 20 000 cfu/g	<100 cfu/g	CP<1105>
Tot. yeast and mould	NMT 200 cfu/g	<10 cfu/g	CP<1105>
Bile tolerant gram – bacteria (enterobacteria)	NMT 100 cfu/g	Complies	CP<1105>
Salmonella	Negative/10g	Complies	CP<1106>
E.Coli	Negative/g	Complies	CP<1106>
Staphylococcus	Negative/g	Complies	CP<1106>
Statements			
Allergens	Allergen free		
GMO	No OGM		
Irradiation	No irradiation		
BSE/TSE	BSE/TSE free		
Nanomaterials	Nanomaterials free		
Packing and Storage			
Packing	Suitable for food industry		
Storage	Store in dry places and keep away from strong direct light and heat.		

*According to a control plan

**Sum of ethylene oxide and 2-chloro-ethanol expressed as ethylene oxide

*** According to meeting on Ethylene oxide on october 2021, applicable limit of ethylene oxide for food supplement, some minerals and additives (except in specific case) is 0.1ppm