





 JAIRAMDASS KHUSHIRAM <small>SINCE 1875</small>	JK BOTANICALS PRIVATE LIMITED		 <small>OVER 140 Years of Quality Trust</small>
	CERTIFICATE OF ANALYSIS Product Name: Shilajit Dry Extract Botanical Name: <i>Asphaltum</i>		
Product Code	STN	Batch No.	STNB00124
Part Used	Stone (Dry)	Mfg. Date	MAY. 2024
Analytical No.	SPTR240230	Exp. Date	APR. 2027
Analysis date	20/05/2024		

S. No.	Test Parameter	Reference	Specification	Result
1.0	Description			
1.1	Appearance	Organoleptic (SAH/SOP/QCD/OL/FG/00)	Brown to dark brown colour Powder	Brown to dark brown colour Powder
1.2	Odor		Characteristic	Characteristic
1.3	Taste		Characteristic	Characteristic
2.0	Analytical Data			
2.1	Identification (By Gravimetry)	SAH/MOA/QCD/GV/FA/11	Presence of Fulvic acid - Positive	Positive
2.2	Loss on drying (at 105 °C)	IP 2014 (SAH/STP/QCD/LOD/01)	NMT 5.0%	2.60%
2.3	Bulk density (gm/ml)	IP 2014 (SAH/STP/QCD/BDTD/06)	NLT 0.25 gm/ml	0.88 gm/ml
2.4	Tapped density (gm/ml)	IP 2014 (SAH/STP/QCD/BDTD/06)	NLT 0.30 gm/ml	1.09 gm/ml
2.5	Particle size	Dry Sieve analysis (SAH/STP/QCD/PS/07)	NLT 98.0% Passing through 20mesh	Passes
2.6	pH (1% w/v solution)	IH (SAH/STP/QCD/PH/02)	4.0 to 7.0	6.25
3.0	% Assay (On dried basis)			
3.1	Fulvic acid (By Gravimetry)	SAH/MOA/QCD/GV/FA/11	NLT 40.0%	44.54%
3.2	Fulvic acid	By Titration	NLT 80.0%	81.96%
4.0	Heavy Metals			
4.1	Lead	ICP-MS (By NABL approved external laboratory)	NMT 2.0 ppm	0.39 ppm
4.2	Arsenic		NMT 1.1 ppm	0.98 ppm
4.3	Cadmium		NMT 0.3 ppm	0.04 ppm
4.4	Mercury		NMT 0.1 ppm	<0.01 ppm
5.0	Pesticides			
5.1	Total Pesticides	GC-MS (By NABL-approved external laboratory)	Complies as per EC No. 396/2005	Complies

	Prepared by	Checked by	Approved by
Name	Ms. Varsha Ukande	Mr. Ram Prajapati	Ms. Sheela Vishwakarma
Designation	QC Chemist	QC Executive	QC Senior Officer
Signature			

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6.0	Ethylene Oxide (ETO)			
6.1	Ethylene oxide	GC-MS/MS (By NABL-approved external laboratory)	NMT 0.1ppm	<0.010 ppm
7.0	Microbiological Enumeration			
7.1	Total aerobic microbial Count	SAH/SOP/QCD/MIC/MLTTPC/11 (USP)	NMT 1000 cfu/gm	15 cfu/gm
7.2	Total yeasts & molds count	SAH/SOP/QCD/MIC/MLTYMC/17 (USP)	NMT 100 cfu/gm	<10 cfu/gm
7.3	Pathogens			
7.3.1	Escherichia coli	SAH/SOP/QCD/MIC/MLTE/13 (USP)	Absent/gm	Negative
7.3.2	Salmonella	SAH/SOP/QCD/MIC/MLTS/16 (USP)	Absent/10gm	Negative

Storage Condition	Store in a cool and dry place away from direct sunlight, heat & moisture.
Shelf life	Three years in original packed conditions from the date of manufacturing.
Packaging	25 Kg Suitable for foodstuff packed in double poly bags unless otherwise required by the customer.
Declaration	Product is neither derived from GMO nor any kind of GMO ingredients used in the manufacturing process.
	The product is not subjected to radiation and doesn't consist of, or contain allergen products.
	The product is fit for human consumption.

Revision History:

Version No.	Effective Date	Reason for Revision
03	04/02/2023	New format adopted.

END OF DOCUMENT

	Prepared by	Checked by	Approved by
Name	Ms. Varsha Ukande	Mr. Ram Prajapati	Ms. Sheela Vishwakarma
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