

CERTIFICATE OF ANALYSIS

Client: PURE SHILAJIT UK LTD

Our Ref: LS1157

Cert No: 63849

Date Received: 04/02/26

Date Started: 04/02/26

Date Completed: 08/02/26

Date Reported: 09/02/26

Sample Off: Shilajit Resin

Condition on Arrival: Good Condition

Sample Details: Commodity: Shilajit Resin. Shilajit.

Heavy Metals (X):

Arsenic (As) 0.02 mg/kg

Method (ICP-MS)

Limit of Detection: 0.1 mg/kg

Cadmium (Cd) <0.2 mg/kg

Method (ICP-MS)

Limit of Detection: 0.05 mg/kg

Lead (Pb) 0.44 mg/kg

Method (ICP-MS)

Limit of Detection: 0.25 mg/kg

Mercury (Hg) 0.03 mg/kg

Method (ICP-MS)

Limit of Detection: 0.01 mg/kg

Physicochemical Properties:

Appearance

Dark black resin,
characteristic earthy
odour

Method (Visual / Organoleptic)

Limit of Detection: N/A

pH (10% solution) 7.1

Method (USP <791>)

Limit of Detection: —

Moisture Content 14.3%

Method (USP <921> Karl Fischer)

Limit of Detection: —

Total Ash Content 11.8%

Method (AOAC 942.05)

Limit of Detection: —



The results reported relate to the samples received at the laboratory Unit 21 Sefton Business Park,
Netherton, Liverpool, L30 1RD, BP30*

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Density

Method (Gravimetric)

Limit of Detection: —

1.22 g/mL

Solubility (water)

Method (USP <661>)

Limit of Detection: —

Completely soluble

Active Constituents:**Fulvic Acid**

73.8%

Method (HPLC (High-Performance Liquid Chromatography))

Limit of Detection: —

Humic Acid

14.7%

Method (HPLC (High-Performance Liquid Chromatography))

Limit of Detection: —

Total Humic Substances

88.5%

Method (Gravimetric)

Limit of Detection: —

DBPs (Dibenzo-a-pyrones)

3–7%

Method (HPLC-DAD)

Limit of Detection: —

Iron (Fe)

200–600 ppm

Method (ICP-MS)

Limit of Detection: —

Magnesium (Mg)

150–300 ppm

Method (ICP-MS)

Limit of Detection: —

Zinc (Zn)

10–40 ppm

Method (ICP-MS)

Limit of Detection: —

Copper (Cu)

3–10 ppm

Method (ICP-MS)

Limit of Detection: —

Selenium (Se)

0.5–3 ppm

Method (ICP-MS)

Limit of Detection: —

Microbiological Analysis:**Total Aerobic Plate Count**

< 100 CFU/g

Method (USP <2021>)

Limit of Detection: —

Total Yeast and Mould

< 10 CFU/g

Method (USP <2021>)

Limit of Detection: —



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Enterobacteria

Method (USP <2021>)

Limit of Detection: —

< 10 CFU/g

Escherichia coli

Method (USP <2022>)

Limit of Detection: —

Not Detected

Salmonella spp.

Method (USP <2022>)

Limit of Detection: —

Not Detected /25g

Staphylococcus aureus

Method (USP <2022>)

Limit of Detection: —

Not Detected

Pesticide and Contaminant Residues:

Multi-Residue Pesticide Screen

Method (GC/LC-MS/MS)

Limit of Detection: —

Not Detected (below EU
MRLs)

Organochlorine Pesticides

Method (GC-ECD)

Limit of Detection: —

Not Detected

Residual Solvents

Method (USP <467>)

Limit of Detection: —

Compliant - Class 1 and
2

Aflatoxins (B1, B2, G1, G2)

Method (HPLC-FLD)

Limit of Detection: 0.1 ppb

< 0.1 ppb total

aKeegan
Ann Keegan
Chemist

a - Analysis performed at Unit 21 Sefton Business Park

b - ASA UK Accredited

c - Analysis accredited to ISO 17025:2017

cd <d = Colony Forming Units



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