



FLORA RESEARCH LABORATORIES, LLC.
ANALYTICAL REPORT

Page 1 of 1

DATE: October 19, 2020

REPORT: Phytoforensic Analysis by ICP-MS Utilizing TQ (multi-element scan for profiling of elemental composition from Aluminum to Uranium)

CLIENT: Medicamentum Authentica

JOB: J20-0928-H

FRL SAMPLE#: 200928015

CLIENT ID: Shilajit 10g of Liquid Shilajit concentration of 7.8g/30mL diluted with distilled water

ANALYSIS DATA: See "Discussion" for clarification of analysis. Reported in PPM.

Element	Symbol	Element	Element	Symbol	Element	Element	Symbol	Element
Lithium	Li	2.99	Zirconium	Zr	0.182	Terbium	Tb	0.001
Beryllium	Be	0.001	Niobium	Nb	0.008	Dysprosium	Dy	0.008
Boron	B	39.0	Molybdenum	Mo	0.097	Holmium	Ho	0.002
Aluminum	Al	45.8	Ruthenium	Ru	0.004	Erbium	Er	0.007
Scandium	Sc	0.076	Rhodium	Rh	0.005	Thulium	Tm	0.001
Titanium	Ti	7.31	Palladium	Pd	0.003	Ytterbium	Yb	0.008
Vanadium	V	21.5	Silver	Ag	0.014	Lutetium	Lu	0.002
Chromium	Cr	3.54	Indium	In	0.001	Hafnium	Hf	0.004
Manganese	Mn	27.2	Tin	Sn	0.049	Tantalum	Ta	0.001
Iron	Fe	199	Antimony	Sb	0.049	Tungsten	W	0.014
Cobalt	Co	0.614	Tellurium	Te	0.001	Rhenium	Re	0.003
Nickel	Ni	ND	Cesium	Cs	0.008	Osmium	Os	ND
Copper	Cu	0.434	Barium	Ba	5.52	Iridium	Ir	ND
Zinc	Zn	3.81	Lanthanum	La	0.001	Platinum	Pt	ND
Gallium	Ga	0.098	Cerium	Ce	0.002	Thallium	Tl	0.012
Germanium	Ge	0.433	Praseodymium	Pr	ND	Bismuth	Bi	0.001
Selenium	Se	0.912	Neodymium	Nd	0.001	Thorium	Th	0.001
Rubidium	Rb	7.39	Samarium	Sm	0.001	Uranium	U	0.009
Strontium	Sr	197	Europium	Eu	0.001			
Yttrium	Y	0.058	Gadolinium	Gd	0.003			

PPM = parts per million ND= Not Detected in Study

DISCUSSION: The Total Quant (TQ) technique is based on a combination of a factory internal calibration and a laboratory calibration of a mixed standard at one calibration point. TQ is utilized as a primary investigative tool to better understand the composition and relative concentration of elements in a sample which can be used for preparing working dilutions and quantitative methods for targeted compounds. TQ data is typically +/- 30% of the concentration. Although heuristic algorithms are utilized for best fit based on the isotope pattern, TQ does not correct for all potential polyatomic interferences. Therefore it is critically important that these limitations be considered in the interpretation of the data.

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