

Certificate of Analysis (COA)
(5th January 2025)
Technical Standards 9345-037-29875423-03

Name of Product: «Dietary Supplement Shilajit (Mumijo)»

Net Weight: Thick resin in plastic or glass jars / bags

Qty: 1200 kg; **Batch No:** 07.00970

Manufacture Date: 01th January 2025 / **Expiration Date:** 01th January 2030

Normative Documents: Technical conditions 377-029-14729213-05; Technical Regulations of the Customs Union «On the safety of Food Products» TR CU 021/2011

TECHNICAL SPECIFICATION

Name of Indicators, Ingredients		Results	Permissible Levels	Test Method	
Heavy metals; Microbial attributes; Authenticity					
Lead mg/kg		0.68	not more 6	GOST 26929-94	
Cadmium mg/kg		0.232	not more 1	GOST 26929-94	
Arsenic mg/kg		0.16	not more 12	GOST 31628-2012	
Mercury mg/kg		<0.02	not more 1	GOST 34427-2018	
Heptachlor mg/kg		Not detected	not more 0.01	MU 2142-80	
Aldrin mg/kg		Not detected	not more 0.01	MU 2142-80	
Pathogenic flora, including salmonella, in 10,0 gm.		Not detected in 10 gm	Not allowed in 10 gm	GOST 31659-2012	
Quantity of Mesophilic Aerobic and Facultative Anaerobic Microorganisms, CFU/gm not more than		Less 1x10 ²	not more 1x10 ⁴	GOST 10444.15-94	
Pathogenic Bacteria (coliform) in 0,1 gm.		Not detected in 0.1 gm	Not allowed	GOST 31747-2012	
Staphylococcus Aureus in 1 gm		Not detected in 0.1 gm	Not allowed	GOST 31747-2012	
B.cereus, CFU/gm not more than		Not detected in 200 gm	not more 2x10 ²	GOST 10444.8-2013	
Yeast and mold CFU/gm not more than		Less 10	not more 10	GOST 10444.8-2013	
Test for authenticity		Authentic	Authentic		
Taste		Conforms	Viscous mass with smooth shiny surface,		
Colour		Conforms	Bitter – tart; Typical resinous		
Metal report and Chemical elements					
Name	Results	Test Method	Name	Results	Test Method
Beryllium mg/kg	Less 0.01	PND F 16.1:2.3:3.11-98	Silver mg/kg	22	PND F 16.1:2.3:3.11-98
Vanadium mg/kg	2.2	PND F 16.1:2.3:3.11-98	Thallium mg/kg	Less 0.1	PND F 16.1:2.3:3.11-98
Tungsten mg/kg	22.8	PND F 16.1:2.3:3.11-98	Tellurium mg/kg	0.4	PND F 16.1:2.3:3.11-98
Lanthanum mg/kg	0.4	PND F 16.1:2.3:3.11-98	Titanium mg/kg	22	PND F 16.1:2.3:3.11-98
Tin mg/kg	0.05	PND F 16.1:2.3:3.11-98	Aluminum mg/kg	449	PND F 16.1:2.3:3.11-98
Barium mg/kg	8.9	PND F 16.1:2.3:3.11-98	Magnesium mg/kg	12500	PND F 16.1:2.3:3.11-98
Boron mg/kg	32	PND F 16.1:2.3:3.11-98	Manganese mg/kg	30	PND F 16.1:2.3:3.11-98
Bismuth mg/kg	0.2	PND F 16.1:2.3:3.11-98	Copper mg/kg	1.2	PND F 16.1:2.3:3.11-98
Iron mg/kg	1500	PND F 16.1:2.3:3.11-98	Molybdenum mg/kg	0.3	PND F 16.1:2.3:3.11-98
Potassium mg/kg	3620	PND F 16.1:2.3:3.11-98	Sodium mg/kg	1800	PND F 16.1:2.3:3.11-98
Calcium mg/kg	7805	PND F 16.1:2.3:3.11-98	Nickel mg/kg	220	PND F 16.1:2.3:3.11-98
Cobalt mg/kg	Less 0.1	PND F 16.1:2.3:3.11-98	Selenium mg/kg	0.5	PND F 16.1:2.3:3.11-98
Lithium mg/kg	0.8	PND F 16.1:2.3:3.11-98	Antimony mg/kg	Less 0.1	PND F 16.1:2.3:3.11-98
Chorm mg/kg	Less 0.1	PND F 16.1:2.3:3.11-98	Phosphorus mg/kg	370	PND F 16.1:2.3:3.11-98
Zinc mg/kg	105	PND F 16.1:2.3:3.11-98			

Vitamin Report and Quality indicators					
Name	Results	Test Method	Name	Results	Test Method
Vitamin B1 g/kg	Less 0.5	M-04-72-2011	Vitamin B6 g/kg	Less 1	M-04-72-2011
Vitamin B2 g/kg	1.8	M-04-72-2011	Vitamin BC g/kg	Less 5	M-04-72-2011
Vitamin B3 g/kg	Less 5	M-04-72-2011	Vitamin A mg/kg	0.4	M-02-1006-08
Vitamin B5 g/kg	Less 10	M-04-72-2011	Vitamin D3 mg/kg	1.8	M-02-1006-08
Vitamin B12 g/kg	0.4	M-02-1006-08	Vitamin E mg/kg	14.2	M-02-1006-08
Alanine mg/100gm	640	MVI.MN 1363-2000	Lysine mg/100gm	130	MVI.MN 1363-2000
Arginine mg/100gm	2.2	MVI.MN 1363-2000	Proline mg/100gm	220	MVI.MN 1363-2000
Aspartic acid mg/100gm	Less 1	MVI.MN 1363-2000	Serine mg/100gm	750	MVI.MN 1363-2000
Valine mg/100gm	215	MVI.MN 1363-2000	Tyrosine mg/100gm	6.8	MVI.MN 1363-2000
Histidine mg/100gm	20	MVI.MN 1363-2000	Threonine mg/100gm	54	MVI.MN 1363-2000
Glycine mg/100gm	1050	MVI.MN 1363-2000	Tryptophan mg/100gm	250	MVI.MN 1363-2000
Glutamic acid mg/100gm	40.2	MVI.MN 1363-2000	Phenylalanine mg/100gm	75	MVI.MN 1363-2000
Isoleucine mg/100gm	15	MVI.MN 1363-2000	Cystine mg/100gm	400	MVI.MN 1363-2000
Methionine mg/100gm	2.2	MVI.MN 1363-2000			
Leucine mg/100gm	44	MVI.MN 1363-2000	Moisture %	10.1	GOST 24027-80
Fulvic Acid %	76.0	R 4.1.1672-03 P3	Humic acid %	9.34	R 4.1.1672-03 P3
Nutritional Report					
Name		Results	Test Method		
Protein (g / 100g)		32.0	CF003.1 - Determination of Crude Protein by Combustion		
Fat (g / 100g)		6.4	CF004.2 - Determination of Crude Fats and Oils by Acid Hydrolysis		
Saturated Fat (g / 100g)		6.4	CFH068 - Determination of Fatty Acid Composition in Foods		
Mono-unsat Fat (g / 100g)		Less 0.1	CFH068 - Determination of Fatty Acid Composition in Foods		
Poly-unsat Fat (g / 100g)		Less 0.1	CFH068 - Determination of Fatty Acid Composition in Foods		
Trans Fat (g / 100g)		Less 0.01	CFH068 - Determination of Fatty Acid Composition in Foods		
Total sugar (g / 100g)		Less 0.1	CFH001.1 - Determination of Sugar Profile by HPLC		
Total Carbohydrate (g / 100g)		15.9	CF029.2 - Total Carbohydrate (inc. Dietary Fibre)		
Dietary Fiber (g / 100g)		0.1	CF029.2 - Total Carbohydrate (inc. Dietary Fibre)		
Energy (kj 100 g)		1051	CF030.2 - Energy of Foods (inc. Dietary Fibre)		
Cholesterol (g / 100g)		Less 0.01	CFH064 - Determination of Cholesterol in Foods		
Radionuclides					
Name		Results	Test Method		
Strontium specific activity Bk/kg		Less 10	GOST 32163-2013		

Dietary Supplement Shilajit (Mumijo) batch No 07.00970, conforms with requirements of technical conditions 9345-037-29875423-03 and requirements of Technical Regulations of the Customs Union «On the safety of Food Products» TR CU 021/2011

Laboratory name: Federal State Budgetary Institution «Altai central scientific and methodological veterinary laboratory»