



MINERAL ANALYSIS		Nail	
		Lab Number	
Doctor/Clinic		Test Date	9/17/2019
Patient Name	Mollie	Sex	f
Clinical Information	AI confirmed	D.O.B.	
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	Acceptable Range	Test Value	
<b>Essential Trace Elements (ppm = mg/kg = mcg/g)</b>			
Chromium (Cr)	0.100 --- 1.400	0.444	
Cobalt (Co)	0.010 --- 0.292	0.041	
Copper (Cu)	4.450 --- 17.400	9.237	
Iodine (I)	0.030 --- 3.700	0.373	
Iron (Fe)	7.000 --- 77.000	67.838	
Manganese (Mn)	0.082 --- 1.450	4.221	↑
Molybdenum (Mo)	0.010 --- 0.150	0.013	
Selenium (Se)	0.700 --- 3.000	1.261	
Vanadium (V)	0.009 --- 0.210	0.107	
Zinc (Zn)	80.000 --- 220.000	124.736	
<b>Essential Macroelements (ppm = mg/kg = mcg/g)</b>			
Calcium (Ca)	550.000 --- 1,850.000	1,110.818	
Magnesium (Mg)	58.000 --- 197.000	227.862	↑
<b>Nonessential Trace Elements (ppm = mg/kg = mcg/g)</b>			
Boron (B)	< 2.100	16.651	↑
Germanium (Ge)	< 0.280	0.005	
Lithium (Li)	< 0.120	0.164	↑
Strontium (Sr)	0.300 --- 3.000	2.269	
Tungsten (W)	< 0.034	0.003	
<b>Potentially Toxic Elements (ppm = mg/kg = mcg/g)</b>			
Aluminum (Al)	< 70.000	120.021	↑
Antimony (Sb)	< 1.000	0.044	



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	Acceptable Range	Test Value			
<b>Potentially Toxic Elements (ppm = mg/kg = mcg/g)</b>					
Arsenic-total (As)	< 0.870	0.206			
Barium (Ba)	< 4.000	4.265	↑		
Beryllium (Be)	< 0.028	< 0.010			
Bismuth (Bi)	< 3.140	0.316			
Cadmium (Cd)	< 0.140	0.062			
Cerium (Ce)	< 0.260	0.750	↑		
Cesium (Cs)	< 0.010	0.011	↑		
Dysprosium (Dy)	< 0.010	0.020	↑		
Erbium (Er)	< 0.004	0.010	↑		
Europium (Eu)	< 0.010	0.006			
Gadolinium (Gd)	< 0.020	0.036	↑		
Gallium (Ga)	< 0.120	0.047			
Iridium (Ir)	< 0.005	n.n.			
Lanthanum (La)	< 0.300	0.246			
Lead (Pb)	< 2.000	0.343			
Lutetium (Lu)	< 0.008	< 0.001			
Mercury (Hg)	< 0.740	0.067			
Nickel (Ni)	< 5.000	0.670			
Palladium (Pd)	< 0.080	< 0.050			
Platinum (Pt)	< 0.020	< 0.005			
Praseodymium (Pr)	< 0.040	0.056	↑		
Rhenium (Re)	< 0.005	< 0.005			
Rhodium (Rh)	< 0.005	< 0.005			

n.n. = not detected, < x = below Detection Limit

Quality control: Dipl. Ing. Friedle, Accreditation: DIN EN ISO 17025; Validation: Dr. E. Blaurock-Busch PhD



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	<b>Acceptable Range</b>	<b>Test Value</b>			
<b>Potentially Toxic Elements (ppm = mg/kg = mcg/g)</b>					
Ruthenium (Ru)	< 0.009	< 0.001			
<b>Samarium (Sm)</b>	< 0.010	0.036	↑		
Silver (Ag)	< 1.500	< 0.010			
Tantalum (Ta)	< 0.029	0.005			
Tellurium (Te)	< 0.010	< 0.010			
Thallium (Tl)	< 0.020	0.002			
<b>Thorium (Th)</b>	< 0.030	0.046	↑		
Thulium (Tm)	< 0.002	0.001			
Tin (Sn)	< 3.800	0.374			
Titanium (Ti)	< 6.000	3.344			
<b>Uranium (U)</b>	< 0.020	0.021	↑		
<b>Ytterbium (Yb)</b>	< 0.010	0.009			
Zirconium (Zr)	< 2.800	0.127			

n.n. = not detected, < x = below Detection Limit

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