

Sample: 20200417

ELEMENTS	SAMPLE	UNITS	Permitted Daily Exposure *			Dietary Reference+		
			Oral	Inhalation	Topical**	RDA	UL	Units
1) Aluminium	Al	<0.010	mg/L					
2) Antimony	Sb	<0.500	ug/L	1200	20 ug/d	5 ug/g		
3) Arsenic	As	2.84	ug/L	15	2 ug/d	3 ug/g		
4) Barium	Ba	<0.009	mg/L	1400	300 ug/d			
5) Beryllium	Be	<0.003	mg/L					
6) Boron	B	<0.050	mg/L				--	20 mg
7) Cadmium	Cd	<0.010	ug/L	5	2 ug/d	3 ug/g		
8) Calcium	Ca	0.690	mg/L				1000	2500 mg
9) Chromium	Cr	<0.003	mg/L	11000	3 ug/d		35	-- ug
10) Cobalt	Co	<0.005	mg/L	50	3 ug/d			
11) Copper	Cu	<0.008	mg/L	3000	30 ug/d		900	10000 ug
12) Gold	Au	<0.040	mg/L	100	1 ug/d			
13) Iron	Fe	<0.010	mg/L				8	45 mg
14) Lanthanum	La	<0.020	mg/L					
15) Lead	Pb	<0.500	ug/L	5	5 ug/d	10ug/g		
16) Magnesium	Mg	<0.030	mg/L				400	350 mg
17) Manganese	Mn	<0.004	mg/L				2.3	11 mg
18) Mercury	Hg	<0.010	ug/L	30	1 ug/d	3 ug/g		
19) Molybdenum	Mo	<0.005	mg/L	3000	10 ug/d		45	2000 ug
20) Nickel	Ni	<0.004	mg/L	200	5 ug/d		--	1.0 mg
21) Phosphorus	P	<0.010	mg/L				700	4000 mg
22) Potassium	K	<0.030	mg/L				4700	-- mg
23) Scandium	Sc	<0.050	mg/L	--	130 ug/d			
24) Selenium	Se	<0.500	ug/L	150	130 ug/d		55	400 ug
25) Silicon	Si	0.922	mg/L				--	ND
26) Silver	Ag	<0.010	mg/L	150	7 ug/d			
27) Sodium	Na	0.380	mg/L				1500	2300 mg
28) Strontium	Sr	<0.002	mg/L					
29) Tin	Sn	0.027	mg/L	6000	60 ug/d			
30) Titanium	Ti	<0.010	mg/L					
31) Tungsten	W	<0.050	mg/L					
32) Vanadium	V	<0.010	mg/L	100	1 ug/d		--	1.8 mg
33) Zinc	Zn	0.008	mg/L				11	40 mg

RDA = recommended daily allowance ND = not determined blank or -- no limits listed  
 mg = milligrams UL = tolerable upper intake level ug = micrograms (1 ug/Kg=0.001 ug/g)  
 \* ref: ICH Q3D USP40 <232><233> Table 1 Element Impurities PDE (ug per day = ug/d)  
 \*\* see Schedule B Canadian Food & Drug Act  
 +Food & Nutrition Board, Institute of Medicine, National Academies, 2004  
 USP rev 2017; USDA Nutrient database for Std. Reference SR14 Nov 2001.  
 HC Quality of Natural Health Products Guide. Section 3 Purity. May 2013  
 Method: based on Elemental Impurities - Procedures USP <233>

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Arrival temp.: 14.0C  
B1208B 1902E

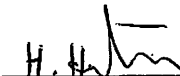
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<u>SAMPLE</u>	<u>DATE</u>	<u>TIME</u>	<u>ETOH</u> <u>(% V/V)</u>
20200417			79.2
Lab Blank			ND
So			0.003
REF. VALUE			1.00
STD ± 2SD			0.992 ± 0.02

SD = standard deviation; REF VALUE = primary or secondary reference material  
 STD = secondary standard calibrated to primary standard reference material  
 So = standard deviation at zero analyte concentration; method detection limit  
 is generally considered to be 3x So value  
 ND = none detected n/a = not applicable

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