



## A Perfect Hot Spring

The Takhini Hot Spring is what the health and wellness industry considers a rare “Goldilocks Hot Spring.” Here’s why:

- The natural temperature of the water is ideal, ranging from 39 °C to 41 °C (102 °F-106 °F) in the hot pools. The temperature is not adjusted at all.
- The water is 100% pure. It is not filtered; no minerals are added or removed.
- The artesian water from the hot springs source flows to the pools using only gravity. No pumps or other instruments are used.
- The pools are “flow-through,” meaning 100% of the pool water is continuously replenished (every few hours) with new water. Almost all other commercial hot springs facilities in North America and Europe are not able to use flow-through and must instead recirculate their water.
- The Takhini Hot Springs source is natural and not drilled. You get to experience pristine water that has been flowing naturally in this area for thousands of years.
- The water is high in sulphur but the molecules are bound and not in the form of hydrogen sulphide gas. For this reason, Eclipse doesn’t have the rotten egg sulphur smell associated with some hot springs.

The source is drained twice annually, the boulders are scrubbed of accumulated silt and minerals, and the source is inspected to ensure it remains in as pristine a state as possible. A translucent biofilm often can be seen, along with the ever-present bubbles that make their way to the surface of the spring, a common feature in almost all hot springs.

Original source after being cleaned up in 2013. [!\[\]\(d66ff64371a51729ac8c1cdaa685ba6f\_img.jpg\)](#)

Photo Eclipse Collection



**TABLE 7: RESULTS OF CHEMICAL AND ISOTOPE ANALYSES**

Analyte		Units		Sample Name	Takhini Hot Spring
				Lab	CanTest
				Lab ID	811270391
				Sample Date	25-Nov-08
				Sample Location	Cistern
				Easting (UTM, Nad83)	08 480457
				Northing (UTM, Nad83)	6749360
				Matrix	Geothermal Groundwater
				Detection Limit	Results
				Ion Balance	
Water type				Ca-SO <sub>4</sub>	
<b>Field Parameters</b>					
Temperature	T	°C		46.2	
pH		pH units		6.70	
Dissolved O <sub>2</sub>	DO	mg/L		0.5	
Electrical Conductivity	EC	µS/cm at 25°C		2289	
Total Dissolved Solids	TDS	ppm		1145	
Ferrous Iron	Fe <sup>2+</sup>	mg/L		0.9	
p-Alkalinity		mg/L CaCO <sub>3</sub>		0	
m-Alkalinity		mg/L CaCO <sub>3</sub>		140	
<b>Physical Parameters</b>					
pH		pH units	-	7.55	
Electrical Conductivity	EC	µS/cm at 25°C	1	3400	
True Color		CU	5	<5	
Turbidity		NTU	0.1	5.1	
Hardness		mg/L	1	1770	
<b>Dissolved Major Ions</b>					
Calcium	Ca	mg/L	0.05	580	
Magnesium	Mg		0.05	78.2	
Sodium	Na		0.05	36.5	
Potassium	K		0.1	8.7	
Silicon	Si		0.25	19.8	
Chloride	Cl		0.2	1.5	
Fluoride	F		0.05	3.62	
Nitrate - N	NO <sub>3</sub>		0.05	<0.05	
Nitrite - N	NO <sub>2</sub>				
Nitrate and Nitrite - N					
Sulfate (SO <sub>4</sub> )	SO <sub>4</sub>		0.5	1740	

Ortho Phosphorus	P		0.02	<0.02
Hydroxide Alkalinity	OH		0.5	<0.5
Carbonate Alkalinity	CO <sub>3</sub>		0.5	<0.5
Bicarbonate Alkalinity	HCO <sub>3</sub>		0.5	127
Total Alkalinity	CaCO <sub>3</sub>		0.5	104

### Metals - Dissolved

Aluminum	Al	mg/L	0.005	0.013
Antimony	Sb		0.001	0.002
Arsenic	As		0.001	0.008
Barium	Ba		0.001	0.016
Beryllium	Be		0.001	<0.001
Bismuth	Bi		0.001	<0.001
Boron	B		0.05	0.05
Cadmium	Cd		0.0002	<0.0002
Chromium	Cr		0.001	<0.001
Cobalt	Co		0.001	<0.001
Copper	Cu		0.001	0.001
Gold	Au		5E-11	<5E-11
Iron	Fe		0.05	0.53
Lead	Pb		0.001	<0.001
Lithium	Li		0.001	0.027
Manganese	Mn		0.001	0.017
Mercury	Hg		0.00002	<0.00002
Molybdenum	Mo		0.0005	0.0049
Nickel	Ni		0.001	<0.001
Phosphorus	P		0.15	<0.15
Selenium	Se		0.001	0.001
Silver	Ag		0.00025	<0.00025
Strontium	Sr		0.001	14.0
Sulfur	S		-	-
Tellurium	Te		0.001	<0.001
Thallium	Tl		0.0001	<0.0001
Thorium	Th		0.0005	<0.0005
Tin	Sn		0.001	<0.001
Titanium	Ti	0.001	<0.001	
Uranium	U	0.0005	<0.0005	
Vanadium	V	0.001	<0.001	
Zinc	Zn	0.005	<0.005	
Zirconium	Zr	0.01	<0.01	

### Environmental Isotopes

Oxygen-18 <sup>1</sup>	δ <sup>18</sup> O	‰	-	-22.4
Deuterium <sup>1</sup>	δ <sup>2</sup> H		-	-174.9
Tritium	<sup>3</sup> H	TU <sup>2</sup>	-	0.8 ± 0.3