

Facility name: Hyotan Onsen

Facility declaration as July 2007
Bathtub: Men's large public bath, Hinoki bath

Circulation	None					
Heated	None					
Add water	None	Dissolved substances (bathtub) 3,898mg/kg				
Bath salts and disinfectant	None					
Others	Yes	Source spring is cooled by bamboo onsen cooling system. Utility model No. 3112971	Source spring owner	Self-source	Drinkable source permit	Yes

Evaluation staff Beppu Onsen G-Men
Evaluation date May 24, 2005
Evaluation locations: Men's bath, Waterfall bathtub,
Open-air bath, Indoor bath (deep and shallow)

■ Hot spring features: A common salt spring with sourness, a unique hot spring in Beppu

■ Hot spring singularity:

Smooth feeling

LowHigh

Acidity

LowHigh

Bitterness

LowHigh

Salty

LowHigh

Sweetness

LowHigh

With bubble

LowHigh

Sulfur odor

LowHigh

Moor・Oily odor

LowHigh

Other onsen odor

LowHigh

Rareness

Well knownRare

■ Color: Clear

Clarity

Opaque

Clearness

Thickness

■ Explanation of bath feeling and ingredients:

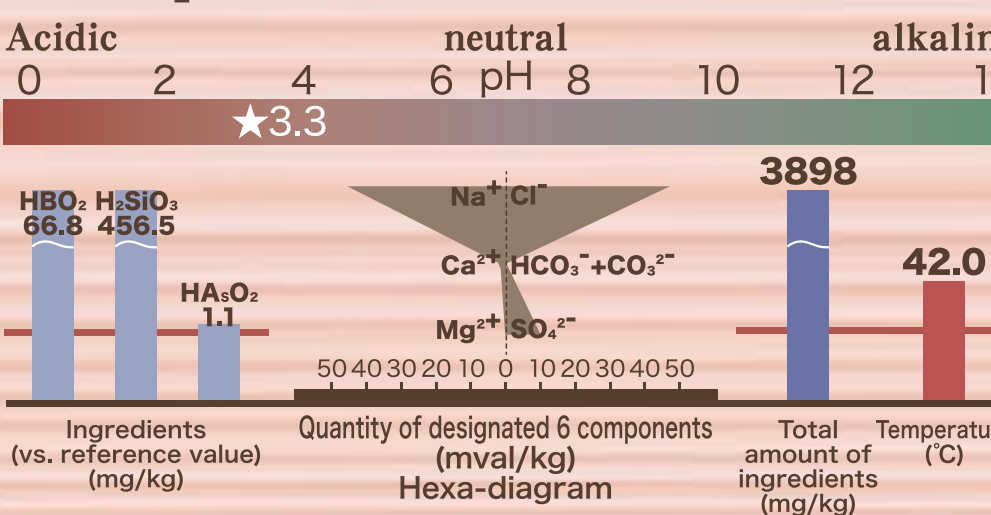
Although it is an transparent salt spring, it also has a light acidity (lucid). While there is a soft touch being slippery, there is also a rough feeling of salt. There are many acidic sulfur hot springs in the country, but common salt springs with sour taste can only be found at a part of Kan'nawa. Transparent, light acidity, light salty taste, and a slight scent of hot spring.

Bathtub and spring source analysis report

- Bathtub capacity: 3,600 liters
- Hot spring load: 1,500 liters / hour
- Distance to bathtub: 160m
- Bathtub water exchange frequency: Once a day
- Legionella: not detected

Measurement date: March 24, 2006

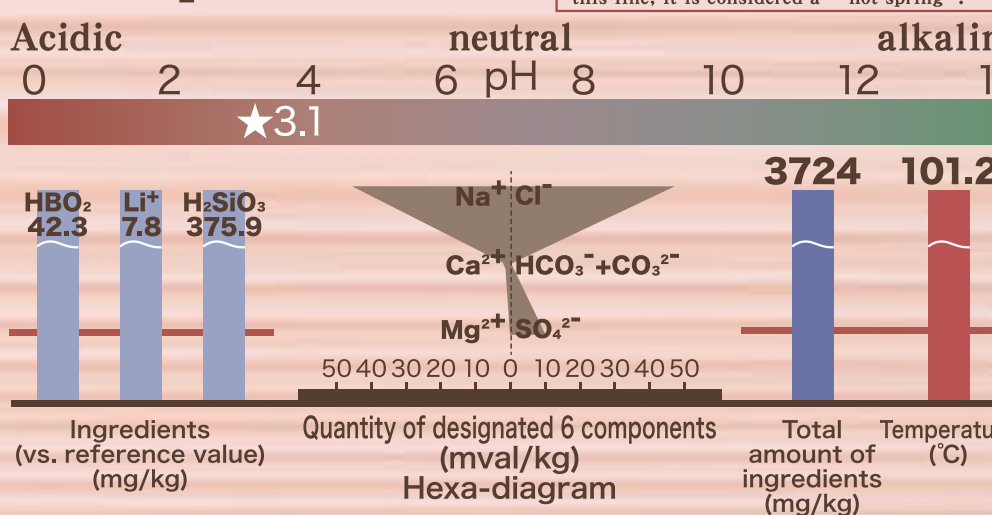
Simple hot spring	Copper and iron containing spring
Carbon dioxide spring	Aluminum containing spring
Hydrogen carbonate spring	Sulfur spring
Chloride spring	Acid spring
sulfate spring	Radioactive spring
Iron containing spring	



- Spring volume: 30,000 liters / hour
- Source temperature: 101.2 °C
- Drilling depth: 300m
- Date of excavation:
January 13, 1994

Measurement date: January 13, 1994

Simple hot spring	Copper and iron containing spring
Carbon dioxide spring	Aluminum containing spring
Hydrogen carbonate spring	Sulfur spring
Chloride spring	Acid spring
sulfate spring	Radioactive spring
Iron containing spring	



How to compare numerical values

- If the water tested from the bathtub and the source spring is the same, you will be bathing in the hot spring water close to the source.
- If the water tested in the tub differ from the spring ingredients, added water is the main reason. Please refer to “Source rate” in “Hot spring usage information”.

[illegible]

新潟県 73 号 の 2

温 泉 分 析 書

1 分析者住所 新潟市大字南輪1509の2
氏名 株式会社エヌネット 代表取締役 河野 純一

11 温泉名 ひょうたん温泉
温泉地 新潟市大字南輪中葉山172

111 温泉地における調査及び試験結果

- 調査及び試験地 大洗町 小野 文生
- 調査及び試験年月 平成 5 年 1 月 13 日
- 泉 温 度 101.1℃ (知度 7.8℃)
- 泉 出 量 測定せず (自噴 割合 309%)
- 知 覚 試 験 知覚、嗅覚、塩味、強塩味、弱臭
- pH 値 3.1
- ナトリウム (Na) 測定せず

112 温泉地における試験成績

- 試 料 種 点 状 和 塩 小 野 文 生
- 試験地7年1月 平成 5 年 1 月 18 日
- 知 覚 試 験 知覚、塩味、強塩味、弱臭 (120時間)
- 密 度 1.0009 g/cm³ (20℃)
- pH 値 3.32
- 硫酸根当量 2.6410 g/kg (110℃)

1. 主要成分

成分	1979-78	1978-79
ナトリウム	Na2O 2.7	2.3
カルシウム	CaO 41.0	37.9
硫酸根	SO ₄ 3.6	5.8
塩素	Cl 0.0	0.0

計 420.9

分析物質合計 3.724 g

硫酸根成分合計 1979-78 (mg)

硫酸根成分	Ca	36.9
硫酸根成分	Fe	0.0

計 36.9

成分合計 3.761 g

2. その他、数量成分(数値に換算した成分)

成分	1979-78	1978-79
硫酸根	Asとして 1.86	0.0055g当量
カルシウム	Asとして 0.020	0.020
フッ化物	Ca ²⁺ 0.0055g当量	0.0055g当量
フッ化物	F ⁻ 3.14	3.14

VI 泉 質 ナトリウム-塩化物水
田 部 弱塩泉

(弱硫酸低濃度弱塩泉)

VII 総成分及び総組成 別表による

平成 5 年 1 月 22 日
大分県大分市大平山南河原田

大分県南生地理域研究センター 所長 大友 信也

Indications for bathing	Cuts, burns, chronic skin disease, physically weak children, chronic gynecological, disease, neuralgia, muscle pain, joint pain, frozen shoulder, motor paralysis, joint stiffness, bruise, sprain, chronic gastrointestinal disease, hemorrhoids, coldness, recovery phase, fatigue recovery, health promotion		
Contraindications for bathing	Acute illness (especially fever), active tuberculosis, cancer, severe heart disease, respiratory failure, renal failure, hemorrhagic disease, severe anemia Other issues with ongoing diseases, or during pregnancy (especially first and last trimester) ※Indications and contraindications are based on the results of bathtub analysis		
Precautions for bathing	●Stay calm while bathing, and take a break after bathing. ●Be cautious as dizziness may occur if you enter a hot spring suddenly. ●The bathing time should be between 3 to 10 minutes at the beginning. ●Bathing time should be once a day for the first few days, and then 2 to 3 times a day. ●Dizziness may occur 3 to 7 days after bathing. Please take a break for 1-2 days if dizziness occurs before bathing again. ●The period required for hot spring treatment is 2-3 weeks. ●As a general rule, people with the following conditions are discouraged from using high-temperature baths (42 °C or higher). (Advanced arteriosclerosis, hypertension, heart disease) ●Do not wash away the hot spring ingredients attached to your body with water after bathing. (Please wash or wipe your body with water after bathing if you have sensitive skin.) ●Please avoid bathing immediately before or right after a meal. ●Be particularly caution when drinking and bathing.		