

# Estimation report of water quality

Limited company Meisui bio laboratory

Hiroshima Kokusai Gakuin University Chemistry room

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Water name	Water for the production of food and drink of Kotobuki Yuki factory
Date of analysis	December 12, 2019
water temperature	—℃


## Analysis items

pH	6.48	
Odor/Color	none	
Electric Conductivity	88.7	μS/cm
Hardness	28.0	mg/l (=ppm)
	(Ca: 9.24 mg/l, Mg: 1.22 mg/l)	
Organic Matter	0.47	mg/l
(Potassium Permanganate Consumption)		
Carbonate (CO <sub>3</sub> <sup>2-</sup> )	26.0	mg/l
Chlorine (Cl)	11.7	mg/l
Ammoniacal Nitrogen (NH <sub>4</sub> <sup>+</sup> -N)	<0.01	mg/l
Nitrate Nitrogen (NO <sub>3</sub> <sup>-</sup> -N)	0.13	mg/l
Phosphate Ion (PO <sub>4</sub> <sup>3-</sup> )	0.04	mg/l
Silicic Acid (SiO <sub>2</sub> )	12.0	mg/l
Nitrite Nitrogen (NO <sub>2</sub> <sup>-</sup> -N)	<0.01	mg/l
Na	- mg/l	K
		-
Iron (Fe)	<0.01	mg/l
Sulfate Ion (SO <sub>4</sub> <sup>2-</sup> )	<0.01	mg/l
Fluorine (F)	0.04	mg/l
Manganese (Mn)	<0.01	mg/l
Coliform Group	none	/mℓ
Colon Bacillus	none	/mℓ
General bacteria	none	/mℓ

View

This water has very small amount of Organic Matter, Nitrate Nitrogen, Phosphate Ion and Sulfate Ion. It is a soft water with rarely seen clean water quality. It has low Iron and low Manganese, so it has no savory taste and is a clear and delicious water. Suitable for tea and coffee extraction.

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Analysis Person	Responsible Person
	Kei Sasaki 