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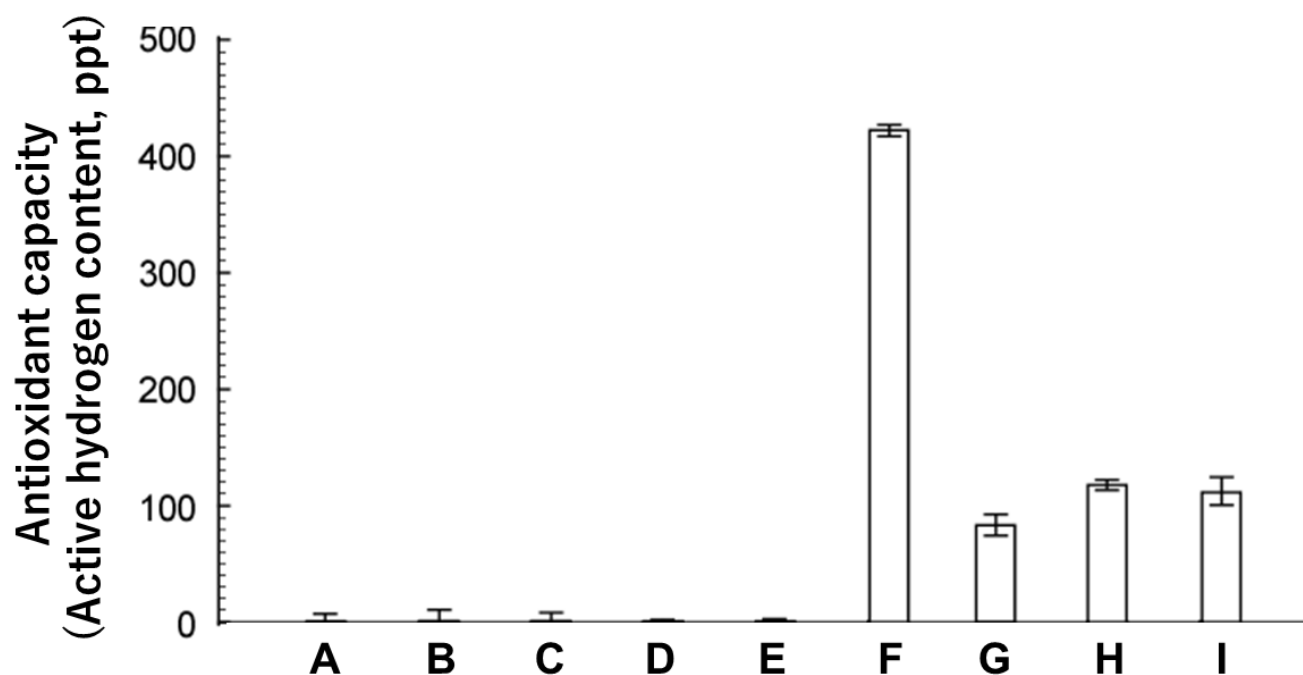
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CERTIFICATE OF ANALYSIS

Client	Hita Tenryo-Sui Co., Ltd.
Client Location	647 Nakanoshima-cho, Hita City, Oita, 877-0074, Japan
Email	tenryo@hitatenryosui.co.jp
Sample name	Hita-Tenryou water
Sample status	Liquid (natural water)
Test	DBNSB assay (Active hydrogen measurement test)

Assay Method: 12.5 mg/ml DBNBS was added to 30 mM phosphate buffer (pH 7.0) solution and samples (including blank), concentrated using an evaporator, and measured at 450 nm absorbance over time. Calibration curves were prepared using atomic hydrogen produced by platinum black-hydrogen venting.

Test Result(s)



Supplementary information. A: ultra-pure water, B: commercial mineral water A^{*1}, C: commercial mineral water B^{*1}, D: commercial mineral water C^{*1}, E: commercial mineral water D^{*1}, F: Hita-Tenryou water, G: Tlacote water^{*2}, H: Nordenau water^{*2}, I: Lourdes water^{*2}. ^{*1} C, D, E and F are natural waters purchased at random from natural waters commercially available in Japan. ^{*2} G, H, and I are famous natural waters known for their health benefits in their respective regions; G is natural water from the Tlacote region in Mexico; H is natural water from the Nordenau region in Germany; and I is natural water from the Lourdes region in France.

The DBNBS method, a highly sensitive antioxidant assay, was used to measure active hydrogen in natural water. First, the value was undetected in ultrapure water (A). Next, commercially available mineral water A-D was tested, and the value was undetected (B, C, D and E). Water from Tlacote, Mexico (G), Nordenau, Germany (H), and Lourdes, France (I) were found to have a hydrogen content of 80-120 ppt. Hita-Tenryu water was confirmed to have a high antioxidative activity of 422 ppt compared to these waters, confirming that sample F, G, H and I are naturally reduced waters.

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