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### TEST REPORT

Sample Lab. No. : 19-1865  
 Submitted By : Baao Water District  
 Address : La Medalla, Baao, Camarines Sur  
 Contact Number : (054)2663161  
 Sample Source : Deepwell  
 Sample Location : Buluang PS

Date/Time of : 10-Dec-19  
 Collection : 5:15 PM  
 Receipt : 13-Dec-19  
 Examination : 13-Dec-19  
 Test Report # : PC-2020-0029

WATER QUALITY				
PHYSICAL ANALYSIS				
Parameters	Results	PNSDW Limit	MDL	Methodology
Turbidity (NTU)	: 1.20	5		2130 B. Nephelometric Method
Apparent Color (Color Units)	: 5	10		2120 B. Visual Comparison
CHEMICAL ANALYSIS				
pH*	: <b>6.34</b>	6.5 - 8.5		4500-H+ B. Electrometric
Total Dissolved Solids (mg/L)*	: 209	600		2540 C. Gravimetric dried at 180°C
Sulfate (mg/L)*	: 0.8	250		4500-SO <sub>4</sub> <sup>2-</sup> E. Turbidimetric
Nitrate (mg/L)	: 1.0	50		4500-NO <sub>3</sub> <sup>-</sup> D Electrode Method
Chloride (mg/L)	: 15	250		4500-Cl- B. Argentometric
METAL ANALYSIS (mg/L)				
Iron (total)	: 0.09	1.00		3111 B. Direct Air-Acetylene
Manganese (total)	: <MDL	0.40	0.009	3111 B. Direct Air-Acetylene
Arsenic	: <MDL	0.01	0.004	3113 B. Electrothermal AAS
Cadmium	: <MDL	0.003	0.0005	3113 B. Electrothermal AAS
Lead	: <MDL	0.01	0.002	3113 B. Electrothermal AAS

**Remarks:** Result/s in red did not comply with the standards set by the PNSDW.  
 Other parameters measured are within limit.

**NOTES:** \* ISO/IEC 17025:2005 Accredited Parameters.  
 MDL - Method Detection Level , nil - not detectable by the method used (result <MDL)  
 PNSDW - Philippine National Standards for Drinking Water  
 The result apply only to the sample tested by PRLI and shall not be interpreted as approval, disapproval, rejection or endorsement of product from which the sample was obtained.  
 Result(s) of the examination is/are specifically related to sample(s) as received.

**REFERENCES:** American Public Health Association, American Water Works Association, and Water Environment Federation. 2012 Standard Methods for the Examination of Water and Waste Water. 22nd Edition., American Public Health Assoc., Washington D.C.  
Dept. of Health, Philippine National Standards for Drinking Water 2017

Analyzed by:  
  
**Lorraine Mae S. Asaytuno**  
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 Date: January 21, 2020

Certified by:  
  
**Harlene Joy L. Cruz**  
 PRC No. 0009512  
 Date: January 21, 2020

Noted by:  
  
**Louvelyn A. Bagarra**  
 PRC No. 0025350  
 Date: January 21, 2020

End of Report

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