



TEST REPORT

Report Number: 2020082696

Date of Issue: August 25, 2020

Company Name: G TWO GCC

Address: P.O Box: 49537 Dubai - UAE

SAMPLE DETAIL

Sample Material: BOTTLED MINERAL WATER
Brand Name: SA RANG HAE 300
Batch No.: 17:22, 13:54
Production Date: N/A
Expiry Date: 2020.11.26, 2020.08.28
Reference: Sample Request Form
Sample ID/Barcode: 8809309398908

Sampled by: Customer
Date Received: 15/08/2020
Lab. Request No.: 202008459
Sample No.: S2432
Date of Test: 16/08/2020
End of Test: 24/08/2020

PHOTO



PARAMETERS	RESULTS	UNIT	LOQ	REQUIRED LIMIT	UM	TEST METHOD
pH @ 24.0 °C	6.60	pH	N/A	N/A	± 0.01	In-House SOP-NLRC-AL-045, Issued 07.07.2019 (Rev.2) based APHA method 4500-H+ B. potentiometric Ph determination of water
Odour	Passed	TON	N/A	Free	N/A	In-House SOP-NLRC-AL-075, Issued 01.05.2019 (Rev.1) based on APHA 2150 B & 2160 B.
Taste	Passed	FTN	N/A	Free	N/A	In-House SOP-NLRC-AL-075, Issued 01.05.2019 (Rev.1) based on APHA 2150 B & 2160 B.
Total Hardness (mg/L as CaCO ₃)	305	mg/L	N/A	N/A	± 0.78	In-House SOP-NLRC-AL-041, Issued 07.07.2019 (Rev.2) based on APHA 2340 C 23rd Edition, GSO 641/1996 and IS 3025 (Part 21): 2009 (Titration)
Color	< 2	CU	2	Free	N/A	In-House SOP-NLRC-AL-044, Issued 07.07.2019 (Rev.2) based APHA 23rd Edition.2120 C Spectrophotometric-Single wavelength method (Proposed).
Total Dissolved Solids (TDS)	480	mg/L	N/A	50 – 500	N/A	In-House SOP-NLRC-AL-047, Issued 01.05.2019 (Rev.1) based on APHA METHOD 2540C.TOTAL DISSOLVED SOLIDS AT 180°C (Gravimetric dried)
Turbidity	< 0.1	NTU	0.1	Free	N/A	In-House SOP-NLRC-AL-057, Issued 01.05.2019 (Rev.1) based on APHA.2130 B (Turbidimeter)
Carbonates	0.0	mg/L	N/A	N/A	N/A	In-House SOP-NLRC-AL-043, Issued 01.05.2019 (Rev.1) based on AOAC OFFICIAL METHOD 920.194 CARBONATES AND BICARBONATES (Titration)
Bicarbonates	18.3	mg/L	N/A	N/A	± 0.47	
*Impurities (Visual Test)	Free	N/A	N/A	Free	N/A	GSO 987:2013
Cyanide (CN ⁻)	< 0.002	mg/L	0.002	< 0.07	N/A	In-House SOP-NLRC-AL-092 by using UV-Visible Spectrophotometer
*Oil & Grease	< 4.0	mg/L	4.0	Free	N/A	In-House SOP-NLRC-AL-104



[Signature]

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Inorganic Anions						In-House SOP-NLRC-AL-058, Issued 07.07.2019 (Rev.2) based on EPA 300.1, Inorganic Anions in water by Ion Chromatography
• Nitrate (NO ₃ ⁻)	< 0.5	mg/L	0.5	< 50.0	N/A	
• Nitrite (NO ₂ ⁻)	< 0.1	mg/L	0.1	< 0.1	N/A	
• Fluoride (F ⁻)	< 0.1	mg/L	0.1	N/A	N/A	
• Chloride (Cl ⁻)	188.2	mg/L	0.5	N/A	± 0.27	
• Sulfate (SO ₄ ⁻)	84.3	mg/L	0.5	N/A	± 0.24	
Multi-Residue Pesticide						In-House SOP-NLRC-PRL-011, Issued 01.05.2019 (Rev.1) pesticide residues in water by using Triple Quadrupole LC-MS/MS
• 2,4,5-T	< 0.5	µg/L	0.5	Free	N/A	
• 2,4 –Dichlorophenoxy acetic acid	< 0.5	µg/L	0.5	Free	N/A	
• Aldicarb	< 0.5	µg/L	0.5	Free	N/A	
• Carbofuran	< 0.5	µg/L	0.5	Free	N/A	
• Cyanazine	< 0.2	µg/L	0.2	Free	N/A	
• Dichloroprop	< 0.5	µg/L	0.5	Free	N/A	
• Fenoprop	< 0.5	µg/L	0.5	Free	N/A	
• Dimethoate	< 0.5	µg/L	0.5	Free	N/A	
• MCPA	< 0.5	µg/L	0.5	Free	N/A	
• Mecoprop	< 0.5	µg/L	0.5	Free	N/A	
• Hydroxy Atrazine	< 0.5	µg/L	0.5	Free	N/A	
• 2,4-Dichlorophenoxybutyric acid	< 0.5	µg/L	0.5	Free	N/A	
• Alachlor	< 0.01	µg/L	0.01	Free	N/A	
• Aldrin and dieldrin	< 0.01	µg/L	0.01	Free	N/A	
• Atrazine	< 0.01	µg/L	0.01	Free	N/A	
• Chlordane – trans (gamma)	< 0.01	µg/L	0.01	Free	N/A	
• Chlordane – cis (alpha)	< 0.01	µg/L	0.01	Free	N/A	
• Chlorpyrifos	< 0.01	µg/L	0.01	Free	N/A	
• Chlorotoluron	< 0.01	µg/L	0.01	Free	N/A	
• o,p-DDE	< 0.01	µg/L	0.01	Free	N/A	

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• p,p-DDE	< 0.01	µg/L	0.01	Free	N/A	
• 2,4-DDD	< 0.01	µg/L	0.01	Free	N/A	
• 4,4-DDT	< 0.01	µg/L	0.01	Free	N/A	
• 2,4-DDT	< 0.02	µg/L	0.02	Free	N/A	
• 4,4-DDD	< 0.02	µg/L	0.02	Free	N/A	
• Endrin	< 0.02	µg/L	0.02	Free	N/A	
• Isoproturon	< 0.01	µg/L	0.01	Free	N/A	
• Lindane (γ-HCH)	< 0.01	µg/L	0.01	Free	N/A	
• Methoxychlor	< 0.01	µg/L	0.01	Free	N/A	
• Metolachlor	< 0.01	µg/L	0.01	Free	N/A	
• Molinate	< 0.01	µg/L	0.01	Free	N/A	
• Pendimethalin	< 0.05	µg/L	0.05	Free	N/A	
• Pyriproxyfen	< 0.01	µg/L	0.01	Free	N/A	
• Simazine	< 0.01	µg/L	0.01	Free	N/A	
• Terbutylazine	< 0.01	µg/L	0.01	Free	N/A	
• Trifluralin	< 0.02	µg/L	0.02	Free	N/A	
Volatile Organic Compounds (VOCs)						In-House SOP-NLRC-AL-068, Issued 07.07.2019 (Rev.2) using Purge and Trap Gas Chromatography/MS
• 1,2-dibromo-3-chloro-propane	< 0.5	µg/L	0.5	Free	N/A	
• 1,2-dichloropropane	< 0.5	µg/L	0.5	Free	N/A	
• 1,3-dichloropropene	< 0.5	µg/L	0.5	Free	N/A	
• 1,2-Dibromoethane	< 0.1	µg/L	0.1	Free	N/A	In-House SOP-NLRC-AL-069, Issued 01.05.2019 (Rev.1) by using GC-MS/MS
Semivolatile Organic Chemicals (SMVOC's)						
• Benzo (a) pyrene	< 0.2	µg/L	0.2	Free	N/A	In-House SOP-NLRC-AL-049, Issued 01.05.2019 (Rev.1) based on (APHA) - 23rd EDITION METHOD (3125) and AOAC 993.14 by using ICP - MS
Mineral Elements						
• Antimony (Sb)	< 0.001	mg/L	0.001	< 0.005	N/A	
• Arsenic (As)	< 0.001	mg/L	0.001	< 0.005	N/A	



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• Barium (Ba)	< 0.001	mg/L	0.001	< 0.7	N/A	
• Boron (B)	0.59	mg/L	0.05	< 5	± 0.01	
• Cadmium (Cd)	< 0.001	mg/L	0.001	< 0.003	N/A	
• Chromium (Cr)	< 0.001	mg/L	0.001	< 0.05	N/A	
• Copper (Cu)	< 0.001	mg/L	0.001	< 1.0	N/A	
• Lead (Pb)	< 0.001	mg/L	0.001	< 0.01	N/A	
• Manganese (Mn)	< 0.001	mg/L	0.001	< 0.40	N/A	
• Mercury (Hg)	< 0.04	µg/L	0.04	< 1	N/A	
• Nickel (Ni)	< 0.001	mg/L	0.001	< 0.02	N/A	
• Selenium (Se)	0.01	mg/L	0.005	< 0.01	± 0.01	
• Magnesium (Mg)	63.09	mg/L	0.1	N/A	± 2.2	
• Calcium (Ca)	21.36	mg/L	0.1	N/A	± 5	
• Potassium (K)	16.61	mg/L	0.1	N/A	± 0.66	
• Sodium (Na)	22.14	mg/L	0.1	N/A	± 2	
Radioactivity						In-House SOP-NLRC-AL-055, Issued 25.07.2019 (Rev.3)
• Gross Alpha	ND	Bq/L	0.1	0.5	N/A	
• Gross Beta	ND	Bq/L	0.1	1.0	N/A	In-House SOP-NLRC-AL-118
*Surface Active Agents	< 0.05	mg/L	0.05	Free	N/A	

Remark(s)/if any:

Statement of Conformity: "The sample is compliance with the requirement(s) of GSO 987:2013 – Bottled Natural Mineral Water based on a 95% coverage probability for the expanded uncertainty of the measurement results on which the decision of compliance is based".

Note(s):

- This report was issued by National Laboratory & Research Centre accredited by ENAS (Emirates National Accreditation System) in accordance with the recognized International Standard ISO/IEC17025:2017.
- ENAS is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing reports.
- LOQ – Limit of Quantitation, UM – Uncertainty of Measurement, N/A – Not Applicable, ND – Not Detected.
- The test results and the statement of conformity with requirements in this report relate only to the test sample tested.
- *Test(s) not accredited.

~END OF REPORT~

Shaher Kanadelo
Laboratory Director



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