

Client	No BOSS/OM Order linked	Order Number	SP# 2065/14-R1 / Afar Alkum Kida
Address		Project Description	Default
Sampled date	06/07/2025	Matrix (N° samples)	Water [1]
Sampled by	by SGS	SGS Reference	JE25-01674
Approved	08/07/2025	Received	06/07/2025
Date Reported	08/07/2025	Analysis started	06/07/2025
		Analysis completed	08/07/2025

		Sample Number	JE25-01674.001		
		Sample Name	Sanitary Water		
		Sample Matrix	Water		
Parameter	Method	Units	RL	Result	
pH	[APHA 4500 H+B 24th Edition]	-	1	7.20	
Total Dissolved Solids	[APHA 2540 C, 24th Edition]	mg/L	5	282	
Chloride	[APHA 4110B 24th Edition]	mg/L	0.02	100.8	
Fluoride	[APHA 4110B 24th Edition]	mg/L	0.03	0.04	
Sulphate	[APHA 4110B 24th Edition]	mg/L	0.02	32.5	
Bromate	[APHA 4110D 24th Edition]	mg/L	0.005	<0.005	
Calcium (Ca)	[ASTM D6919-17]	mg/L	0.03	21.450	
Magnesium (Mg)	[ASTM D6919-17]	mg/L	0.03	7.670	
Alkalinity	[APHA 2320B 24th Edition]	mg/L	1	32.40	
Total Hardness as CaCO ₃	[APHA 2340 C, 24th Edition]	mg/L	1	85	
Free Chlorine	[APHA 4500-Cl G 24th Edition]	mg/L	0.1	<0.1	
Chromium (Cr)	[Preparation for ICP+APHA 3125, 24th Edition]	mg/L	0.001	0.001	
Copper (Cu)	[Preparation for ICP+APHA 3125, 24th Edition]	mg/L	0.001	0.019	
Iron (Fe)	[Preparation for ICP+APHA 3125, 24th Edition]	mg/L	0.003	0.007	
Lead (Pb)	[Preparation for ICP+APHA 3125, 24th Edition]	mg/L	0.001	<0.001	
Manganese (Mn)	[Preparation for ICP+APHA 3125, 24th Edition]	mg/L	0.001	0.002	
Nickel (Ni)	[Preparation for ICP+APHA 3125, 24th Edition]	mg/L	0.001	0.010	
Zinc (Zn)	[Preparation for ICP+APHA 3125, 24th Edition]	mg/L	0.002	0.117	
Potassium(K)	[APHA 3120B 24th Edition]	mg/L	0.05	2.89	
Sodium(Na)	[APHA 3120B 24th Edition]	mg/L	0.05	55.83	
Total Bacterial Plate Count	[APHA 9215 C, 24th Edition]	CFU/mL	10	3000	
E.coli	[APHA 9221 F]	MPN/100 mL	1.8	<1.8	
Total Coliforms	[APHA 9222 B 24th Edition]	CFU/100mL	1	<1	
Fecal Coliforms	[APHA 9222 D, 24th Edition]	CFU/100mL	1	<1	

The laboratory considers the result not conform to the specification if its value is greater than the upper limit, and/or smaller than the lower limit. Otherwise the result is considered conform the specification. The measurement uncertainty is not considered in the conformity assessment.

Whilst SGS laboratories conform to ISO/IEC 17025 standards, results of analysis in this report fall outside of the current scope accreditation

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— End of the analytical report —



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