

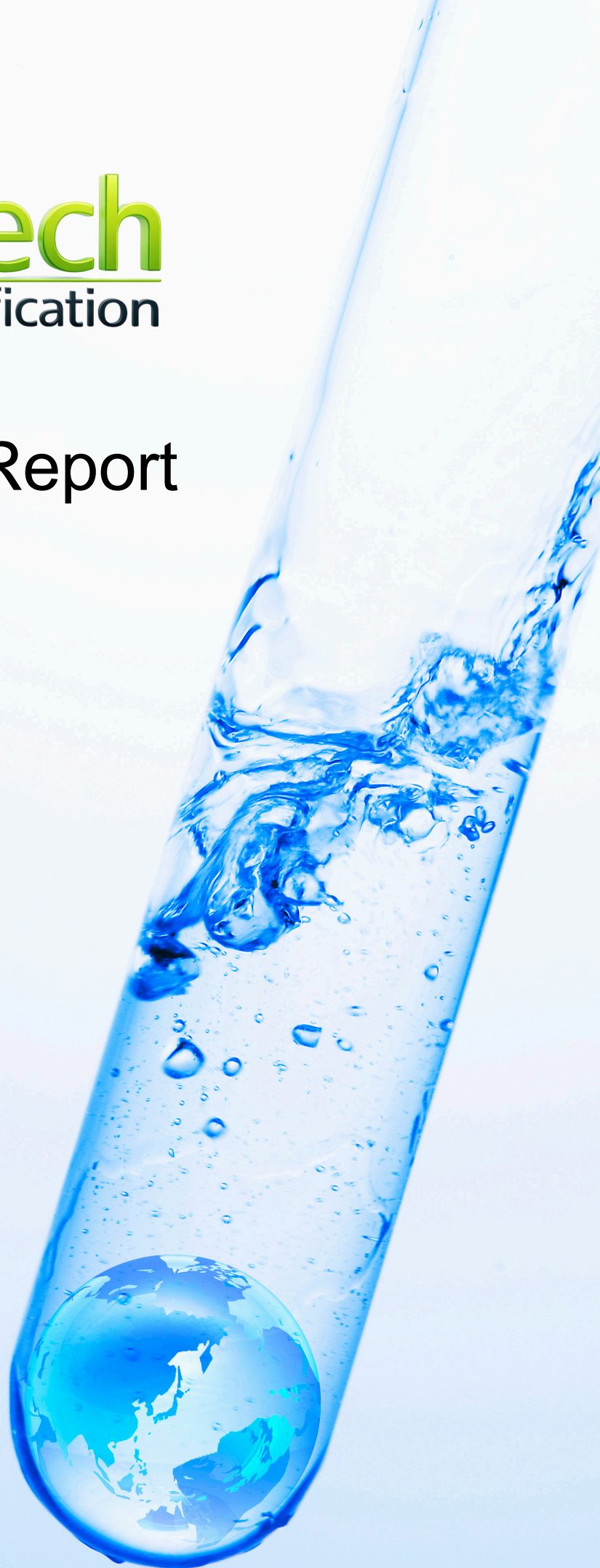


Water Testing Report

Vitality H2O

INV 281299

14 May 2026



LABORATORY NUMBER			SpPuritech 1	SpPuritech 2
SAMPLE DESCRIPTION			Vitality H2O Pure RO Water	Vitality H2O Pure Alkaline Water
SAMPLE NUMBER			E96888-001	E96888-002
SAMPLED	Test Method **		2026/04/30 00:00	2026/04/30 00:00
Remarks			Clear	Clear
Acidity	mg CaCO ₃ /L	YE011Ac	1.60	1.50
Total Alkalinity (pH>4.5)	mg CaCO ₃ /L	YE010Alk	4.00	11.2
Bicarbonate Alkalinity	mg CaCO ₃ /L	YE010Alk	4.00	11.2
Carbonate Alkalinity	mg CaCO ₃ /L	YE010Alk	0.00	0.00
M Alkalinity (8.3>pH>4.5)	mg CaCO ₃ /L	YE010Alk	4.00	11.2
P Alkalinity (pH>8.3)	mg CaCO ₃ /L	YE010Alk	0.00	0.00
Conductivity (Laboratory)	mS/m	YE020CON	0.70	2.90
pH (Laboratory)		YE030pH	7.62	10.5
Total Hardness	mg CaCO ₃ /L	YE061H	1.20	7.62
Calcium Hardness	mg CaCO ₃ /L	YE061H	0.62	4.94
Magnesium Hardness	mg CaCO ₃ /L	YE061H	0.58	2.68
Total Dissolved Solids (TDS)	mg/L	Calculation	4.10	17.0
Suspended Solids (TSS)	mg/L	YE081TSS	<0.4	<0.4
Temperature	°C	Thermometer	21.0	21.0
Turbidity	NTU	YE082TB	0.67	0.49
Ammonia and Ammonium	mg N/L	YE070AK	<0.45	<0.45
Calcium	mg Ca/L	YE060ICP	0.25	1.98
Chloride	mg Cl/L	YE070AK	<0.48	1.26
Magnesium	mg Mg/L	YE060ICP	0.14	0.65
Nitrate and Nitrite (TON)	mg N/L	YE070AK	<0.35	0.53
Ortho Phosphate	mg P/L	YE070AK	<0.03	0.05
Potassium	mg K/L	YE060ICP	0.32	1.94
Sodium	mg Na/L	YE060ICP	0.98	1.98
Sulphate	mg SO ₄ /L	YE070AK	<0.5	<0.5
Aluminium	mg Al/L	YE060ICP	<0.01	<0.01
Fluoride	mg F/L	YE070AK	<0.09	<0.09
Iron	mg Fe/L	YE060ICP	<0.01	<0.01
Manganese	mg Mn/L	YE060ICP	<0.01	<0.01
Langelier Index (indicative, not SANS)	Calculation		-5.99	-4.23
pHs (indicative, not SANS)	Calculation		11.31	10.03
Sodium Absorption Ratio (indicative)	Calculation		0.39	0.31
TDS to EC Ratio (indicative, not SANS)	Calculation		5.86	5.88
Corrosion Ratio (indicative, not SANS)	Calculation		0.00	0.32
Ryznar Index (indicative, not SANS)	Calculation		17.29	14.26
Anion Sum			0.08	0.30
Cation Sum			0.08	0.29
Difference			0.00	-0.01
% Difference			-2.85%	-2.22%

Methods adapted to accommodate local laboratory conditions.
SM refers to the Standard Methods for the Examination of Water and Wastewater.
Unless analysis is indicated as "Total", tests are performed on filtered samples as per ISO 11885.
Ion balance is not used as QC check where pH<3.5.
** Methods Starting with YE are accredited, and based on ISO, SANS, and/or other national or international standards.

SANS 241:2015 STANDARD LIMIT [SANS 241:2015] [SANS 241:2015]		Class II (Max Allowance for Limited Duration) /2006	Class II Water Consumption Period, a max *2006	SEWAGE LIMIT GENERAL LIMIT	SEWAGE LIMIT SPECIAL LIMIT	Target WQ Guidelines
Acidity	mg CaCO ₃ /L					
Total Alkalinity (pH>4.5)	mg CaCO ₃ /L					
Bicarbonate Alkalinity	mg CaCO ₃ /L					
Carbonate Alkalinity	mg CaCO ₃ /L					
M Alkalinity (8.3>pH>4.5)	mg CaCO ₃ /L					
P Alkalinity (pH>8.3)	mg CaCO ₃ /L					
Conductivity (Laboratory)	mS/m	< 170	150 - 370	7 years	* < 70	* < 50 < 40
pH (Laboratory)		5.0 - 9.7	4.0 - 10.0	No limit	5.5-9.5	5.5-7.5 6.5 - 8.5
Total Hardness	mg CaCO ₃ /L					< 50
Calcium Hardness	mg CaCO ₃ /L					
Magnesium Hardness	mg CaCO ₃ /L					
Total Dissolved Solids (TDS)	mg/L	< 1200	1000-2400	7 years		<450
Suspended Solids (TSS)	mg/L				< 25	< 10 < 5
Temperature	°C					
Turbidity	NTU	< 1	1 - 5	No limit		< 1
Ammonia and Ammonium	mg N/L	< 1.5			< 6	< 2 < 1
Calcium	mg Ca/L	< 150	150 - 300	7 years		< 32
Chloride	mg Cl/L	< 300	200 - 600	7 years		<100
Magnesium	mg Mg/L	< 70	70 - 100	7 years		< 30
Nitrate and Nitrite (TON)	mg N/L	< 12	10 - 20	7 years	< 15	<1.5 < 6
Ortho Phosphate	mg P/L	< 5			< 10	< 1 <0.025
Potassium	mg K/L	< 50	50 - 100	7 years		< 50
Sodium	mg Na/L	< 200	200 - 400	7 years		< 70
Sulphate	mg SO ₄ /L	< 500	400 - 600	7 years		< 200
Aluminium	mg Al/L	< 0.3	0.3 - 0.5	1 year		< 0.15
Fluoride	mg F/L	< 1.5	1.0 - 1.5	1 year	<1.0	<1.0 <1.0
Iron	mg Fe/L	< 2	0.2 - 2.0	7 years	<0.3	<0.3 < 0.1
Manganese	mg Mn/L	< 0.4	0.1 - 1.0	7 years	< 0.1	< 0.1 < 0.02
Langelier Index (indicative, not SANS)		-0.5 - 0.5	negative: water may corrode surfaces; positive: water may form scale on surfaces due to			
pHs (indicative, not SANS)			Saturation pH (used in calculations)			
Sodium Absorption Ratio (indicative)		< 1.5	Relevant in irrigation and water/plant/soil			< 1.5
TDS to EC Ratio (indicative, not SANS)			Analytical indicator			
Corrosion Ratio (indicative, not SANS)		0 - 0.3	A.k.a. Larson-Skold Index; >0.3: water may >1.2 would) corrode surfaces due to (sulphate and < 6: water may form scale on surfaces; > 7: water may corrode surfaces			
Ryznar Index (indicative, not SANS)		6 - 7				
Anion Sum						
Cation Sum						
Difference						
% Difference						

LABORATORY NUMBER			SpPuritech 1	SpPuritech 2	STANDARD LIMIT SANS 241:2015	ALLOWABLE COMPLIANCE CONTRIBUTION DOMESTIC USE 241:2006 Max Allowance 4% of	ALLOWABLE COMPLIANCE CONTRIBUTION DOMESTIC USE 241:2006 Max Allowance of 1% of	SEWAGE LIMIT GENERAL LIMIT	SEWAGE LIMIT SPECIAL LIMIT
SAMPLE DESCRIPTION			Vitality H2O Pure RO Water	Vitality H2O Pure Alkaline Water					
SAMPLE NUMBER			E96888-001	E96888-002					
SAMPLED		Test Method	2026/04/30 00:00	2026/04/30 00:00					
Remarks			Clear	Clear					
Standard Plate Count or Heterotrophic Pl. Count	count/mL	YE100SPC / ISO 9308 based	0	0	< 1000	No Limit	Alert 5000		
Total Coliforms	CFU/100mL	YE101TC / ISO 9308 based	0	0	< 10	No Limit	Alert 10		
Faecal Coliforms	CFU/100mL	YE102FC / ISO 9308 based	0	0	0	0	1	<1000	0
e.Coli	CFU/100mL	YE104EC / ISO 9308 based	0	0	0	0	1	<1000	

Results not marked with a Test Method YE####*, as well as results marked "Subcontracted" or "Outsourced", in this report, are not included in the SANAS Schedule of Accreditation for this laboratory. However, outsourced results may be within the Schedule of Accreditation of the source laboratory.

Opinions and interpretations expressed herein are outside the scope of SANAS accreditation.

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