

Telephone 792026/7

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Telegraphic Address  
"MEDICUS", Harare  
Fax: 708527



Reference:

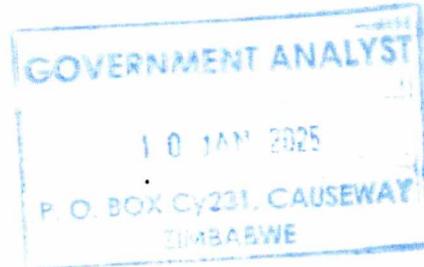
GOVERNMENT ANALYST LABORATORY  
P.O. Box CY 231  
Causeway  
Zimbabwe

## LABORATORY TEST REPORT

Lab Ref: FP001/ 25

**Customer name and address:**

Lisa O'Neill  
Mvura Chaiyo P/L  
154B Old Mazowe Road  
Mt Pleasant  
Harare



Email: lisajuly1970@gmail.com

Tel: 0772228283

Customer Ref: Sydney 905

Sample Type: Sydney 905 Water Filter

Sample Description: Sydney 905 Water Filter

Condition of sample: Water Filter

Date taken: 02/01/2025

Date received: 02/01/2025

Sampling method used: Not Applicable

Sampling done by: Customer

Tests done: Total bacteria Count/ Total Coliforms/ Total E. Coli (Efficacy Test)

Date(s) of analysis: 06-10/01/2025

Date report issued: 10/01/2025

Date reported: 10/01/2025

Environmental conditions: Incubation at 37°C for total bacteria/ coliforms/ salmonella/ streptococcus and 44.5°C for E. coli.

Analysis carried out at: **Government Analyst Laboratory**  
49 Josiah Tongogara Cnr Mazowe Street, Harare  
E-mail: [galsamplerreceipt@gmail.com](mailto:galsamplerreceipt@gmail.com)  
Cellphone: +263 785 963 006

Reviewed by: F. Chinyavanhu Deputy Director Food Control Authorised by: M.L. Musiyambiri Director Government Analyst Laboratory

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The Government Analyst Laboratory is a National Regulatory Food and Water Testing Lab whose operations are benchmarked to ISO17025 standards for testing laboratories. It falls under the Ministry of Health and Child Welfare and administers the Food and Food Standards Act with other stakeholders.

**RESULTS**

Table 1: Before Filtration (Contaminated with ATCC 25922)

Test/Parameter/ Analyte	Units	Test Method	SOP Ref	Reference Legislation	Guideline Range	MU (±)	Actual Result	Remarks
Total Bacterial Count	cfu/ml	Pour plate	-	SI6:2015	0/ml	-	1x10 <sup>6</sup>	Satisfactory
Total Coliform Count	cfu/100ml	Membrane filtration	SOP/F/08	SI6:2015	0/100ml	0.003	1x10 <sup>6</sup>	Satisfactory
Total E. coli	cfu/100ml	Membrane filtration	SOP/F/07	SI6:2015	0/100ml	0.003	1x10 <sup>6</sup>	Satisfactory

Table 2: Filter 1 (After Filtration)

Test/Parameter/ Analyte	Units	Test Method	SOP Ref	Reference Legislation	Guideline Range	MU (±)	Actual Result	Remarks
Total Bacterial Count	cfu/ml	Pour plate	-	SI6:2015	0/ml	-	No growth	Satisfactory
Total Coliform Count	cfu/100ml	Membrane filtration	SOP/F/08	SI6:2015	0/100ml	0.003	No growth	Satisfactory
Total E. coli	cfu/100ml	Membrane filtration	SOP/F/07	SI6:2015	0/100ml	0.003	No growth	Satisfactory

Table 3: Filter 2 (After Filtration)

Test/Parameter/ Analyte	Units	Test Method	SOP Ref	Reference Legislation	Guideline Range	MU (±)	Actual Result	Remarks
Total Bacterial Count	cfu/ml	Pour plate	-	SI6:2015	0/ml	-	No growth	Satisfactory
Total Coliform Count	cfu/100ml	Membrane filtration	SOP/F/08	SI6:2015	0/100ml	0.003	No growth	Satisfactory
Total E. coli	cfu/100ml	Membrane filtration	SOP/F/07	SI6:2015	0/100ml	0.003	No growth	Satisfactory

Table 4: Filter 3 (After Filtration)

Test/ Parameter/ Analyte	Units	Test Method	SOP Ref	Reference Legislation	Guideline Range	MU (±)	Actual Result	Remarks
Total Bacterial Count	cfu/ ml	Pour plate	-	SI6:2015	0/ml	-	No growth	Satisfactory
Total Coliform Count	cfu/ 100ml	Membrane filtration	SOP/F/08	SI6:2015	0/100ml	0.003	No growth	Satisfactory
Total E. coli	cfu/ 100ml	Membrane filtration	SOP/F/07	SI6:2015	0/100ml	0.003	No growth	Satisfactory

**Key**

cfu/ 100ml = colony forming units per hundred milliliters

SOP = Standard Operating Procedure

spp = species

**Decision Rule:** Result implies non-compliance with:

- i) An upper limit if the measured value plus measurement uncertainty exceeds the limit.
- ii) A lower limit of the measured value less measurement uncertainty falls below the limit.

\*Implies non- compliance taking into consideration the measurement uncertainty.

\*\* implies results from sub-contraction.

ACC implies an accredited test.

CPD implies Customer Provided Data

Additions to, deviations, or exclusions from the method: None

**Opinions and Interpretations**

1. According to the analysis done, sample **FP0001/25** was found to be effective against Total bacteria count, Coliforms and Escherichia coli. The filter was able to reduce the microorganism from over 1000000 cfu/100ml to no growth cfu per 100ml. However, the Food Standard Advisory Board (FSAB) has the final say on the acceptability of your product.

Technical Signatory/ Competent Analyst

Name B K Samende Signature [Signature] Date 10/01/25

For: Director Government Analyst

/bks

**Lab Ref: FP0001/25**

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**END**

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**Reference:**

GOVERNMENT ANALYST LABORATORY  
P.O. Box CY 231  
Causeway  
Zimbabwe

**LABORATORY TEST REPORT**

Lab Ref: WP01/25 A

**Customer name, address and contact details:**  
Mvura Chaiyo Pvt Ltd  
154B Old Mazowe Road  
Harare

E.mail: lisajuly1970@gmail.com

Tel: 0772223283

**Customer Ref:** Raw water

**Sample Type:** Drinking water

**Sample Description:** 2L Raw water

**Condition of sample:** Satisfactory

**Date taken:** 02/01/25

**Date received:** 02/01/25

**Sampling method used:** Unknown

**Sampling done by:** Customer

**Tests done:** Chemical analysis

**Date(s) of analysis:** 21-24/01/25

**Date Issued:**

**Environmental conditions:** Room temperature

**Analysis carried out at:** Government Analyst Laboratory  
49 J.Tongogara Cnr Mazowe Street, Harare

**Email:** galsamplereceipt@gmail.com

**Cell:** 0785 963 006

**Location of facility for parameters analyzed outside GAL:** N/A

**Reviewed By:** F.Chinyavanhu Deputy Director Food Control **Authorised by:** ML Musiyambiri Director Government Analyst



## RESULTS

### WATER QUALITY ANALYSIS PERFORMED BY GOVERNMENT ANALYST LABORATORY

To:  
Sample:  
Odour:  
Colour:  
General Appearance:  
Suspended matter:  
Sediments:

Mvura Chaiyo Pvt Ltd  
WP01/25 A  
Earthy  
Brownish  
Clear  
Large  
Large

Note N.D. = Not detected

Parameter	Unit	Test Method	SOP Ref	Guidelines Value WHO (2008)	Measurement uncertainty ±	Actual Results	Comment
pH		Potentiometric	SOP/W/02	6.5 - 9.5	-	7.28	
Turbidity	N.T.U	Turbidimeter		5		23.5	*
Conductivity	uScm <sup>-1</sup>	Conductivity meter		-	-	595.5	
Total Dissolved Solids	mg/L	Conductivity meter		1000	-	297.75	
Lime Hardness	mg /L CaCO <sub>3</sub>	Titration	SOP/W/04	-	-	196.94	
Total Hardness	mg /L CaCO <sub>3</sub>	Titration	SOP/W/05	500	-	347.06	
Alkalinity	mg /L CaCO <sub>3</sub>	Titration	SOP/W/06		-	99.70	
Chloride	mg /L Cl <sup>-</sup>	Titration	SOP/W/12	250	-	69.53	
<sup>acc</sup> Nitrate (as NO <sub>3</sub> <sup>-</sup> )	mg /L NO <sub>3</sub> <sup>-</sup>	UV- Vis	SOP/W/01	50	-	11.69	
Bicarbonate	mg /L HCO <sub>3</sub> <sup>-</sup>	Titration	SOP/W/06	-	-	121.64	
Magnesium	mg /L Mg <sup>2+</sup>	Titration	SOP/W/09	-	-	36.75	
Calcium	mg /L Ca <sup>2+</sup>	Titration	SOP/W/09	-	-	78.77	

<sup>acc</sup> implies parameters on scope of accreditation

\* implies non-compliance taking into consideration the measurement uncertainty

\*\* implies results from sub-contracting.

<sup>cpd</sup> Implies Customer Provided Data

**Ref: WP01/25A**

**Decision Rule:** Results implies non-compliance with:

- i) An upper limit if the measured value plus measurement uncertainty exceeds the limit.
- ii) A lower limit if the measured value less measurement uncertainty falls below the limit.

Additions to, deviations, or exclusions from the method: None

**Opinions and Interpretations**

The physical parameters of this water sample were not consistent with those for drinking water Quality, while the turbidity exceeded the maximum permissible limit according to the **Guidelines for drinking Water Quality WHO (2008) Regulations**. This water needs treatment and filtration before use.

**Technical Signatory**

Name: F. Chimwe Sign [Signature] Date 29/01/25

For DGA./fc

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Reference:

GOVERNMENT ANALYST LABORATORY  
P.O. Box CY 231  
Causeway  
Zimbabwe

## LABORATORY TEST REPORT

Lab Ref: WP01/25 B

**Customer name, address and contact details:**  
Mvura Chaiyo Pvt Ltd  
154B Old Mazowe Road  
Harare

E.mail: lisajuly1970@gmail.com

Tel: 0772223283

**Customer Ref:** Filter 1

**Sample Type:** Drinking water

**Sample Description:** 2L Filtred water

**Condition of sample:** Satisfactory

**Date taken:** 02/01/25

**Date received:** 02/01/25

**Sampling method used:** Unknown

**Sampling done by:** Customer

**Tests done:** Chemical analysis

**Date(s) of analysis:** 21-24/01/25

**Date Issued:**

**Environmental conditions:** Room temperature

**Analysis carried out at:** Government Analyst Laboratory  
49 J.Tongogara Cnr Mazowe Street, Harare

**Email:** galsamplereceipt@gmail.com

**Cell:** 0785 963 006

**Location of facility for parameters analyzed outside GAL:** N/A

**Reviewed By:** F.Chinyavanhu Deputy Director Food Control **Authorised by:** ML Musiyambiri Director Government Analyst



## RESULTS

### WATER QUALITY ANALYSIS PERFORMED BY GOVERNMENT ANALYST LABORATORY

To: Mvura Chaiyo Pvt Ltd  
Sample: WP01/25 B  
Odour: Odourless  
Colour: Colourless  
General Appearance: Clear  
Suspended matter: None  
Sediments: None

Note N.D. = Not detected

Parameter	Unit	Test Method	SOP Ref	Guidelines Value WHO (2008)	Measurement uncertainty ±	Actual Results	Comment
pH		Potentiometric	SOP/W/02	6.5 - 9.5	-	7.39	
Turbidity	N.T.U	Turbidimeter		5		1.8	
Conductivity	uScm <sup>-1</sup>	Conductivity meter		-	-	591.4	
Total Dissolved Solids	mg/L	Conductivity meter		1000	-	295.7	
Lime Hardness	mg /L CaCO <sub>3</sub>	Titration	SOP/W/04	-	-	182.97	
Total Hardness	mg /L CaCO <sub>3</sub>	Titration	SOP/W/05	500	-	329.87	
Alkalinity	mg /L CaCO <sub>3</sub>	Titration	SOP/W/06		-	103.14	
Chloride	mg /L Cl <sup>-</sup>	Titration	SOP/W/12	250	-	57.22	
<sup>acc</sup> Nitrate (as NO <sub>3</sub> <sup>-</sup> )	mg /L NO <sub>3</sub> <sup>-</sup>	UV- Vis	SOP/W/01	50	-	14.82	
Bicarbonate	mg /L HCO <sub>3</sub> <sup>-</sup>	Titration	SOP/W/06	-	-	125.83	
Magnesium	mg /L Mg <sup>2+</sup>	Titration	SOP/W/09	-	-	35.84	
Calcium	mg /L Ca <sup>2+</sup>	Titration	SOP/W/09	-	-	73.37	

- <sup>acc</sup> implies parameters **on scope of accreditation**  
\* implies non- compliance taking into consideration the measurement uncertainty  
\*\* implies results from sub-contracting.  
<sup>cpd</sup> Implies Customer Provided Data

**Ref: WP01/25B**

**Decision Rule:** Results implies non-compliance with:

- i) An upper limit if the measured value plus measurement uncertainty exceeds the limit.
- ii) A lower limit if the measured value less measurement uncertainty falls below the limit.

Additions to, deviations, or exclusions from the method: None

**Opinions and Interpretations**

According to the analysis done, this water is chemically suitable for human consumption according to the **Guidelines for drinking Water Quality WHO (2008) Regulations.**

**Technical Signatory**

Name: F. Chimwee Sign Chimwee Date 29/01/25

For DGA./fc

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Reference:

GOVERNMENT ANALYST LABORATORY  
P.O. Box CY 231  
Causeway  
Zimbabwe

## LABORATORY TEST REPORT

Lab Ref: WP01/25 C

**Customer name, address and contact details:**

Mvura Chaiyo Pvt Ltd  
154B Old Mazowe Road  
Harare

E.mail: lisajuly1970@gmail.com

Tel: 0772223283

**Customer Ref:** Filter 2

**Sample Type:** Drinking water

**Sample Description:** 2L Filtred water

**Condition of sample:** Satisfactory

**Date taken:** 02/01/25

**Date received:** 02/01/25

**Sampling method used:** Unknown

**Sampling done by:** Customer

**Tests done:** Chemical analysis

**Date(s) of analysis:** 21-24/01/25

**Date Issued:**

**Environmental conditions:** Room temperature

**Analysis carried out at:** Government Analyst Laboratory  
49 J.Tongogara Cnr Mazowe Street, Harare

**Email:** galsamplerreceipt@gmail.com

**Cell:** 0785 963 006

**Location of facility for parameters analyzed outside GAL:** N/A

**Reviewed By:** F.Chinyavanhu Deputy Director Food Control **Authorised by:** ML Musiyambiri Director Government Analyst



## RESULTS

### WATER QUALITY ANALYSIS PERFORMED BY GOVERNMENT ANALYST LABORATORY

To: Mvura Chaiyo Pvt Ltd  
Sample: WP01/25 C  
Odour: Odourless  
Colour: Colourless  
General Appearance: Clear  
Suspended matter: None  
Sediments: None

Note N.D. = Not detected

Parameter	Unit	Test Method	SOP Ref	Guidelines Value WHO (2008)	Measurement uncertainty $\pm$	Actual Results	Comment
pH		Potentiometric	SOP/W/02	6.5 - 9.5	-	7.61	
Turbidity	N.T.U	Turbidimeter		5		1.0	
Conductivity	$\mu\text{Scm}^{-1}$	Conductivity meter		-	-	588.2	
Total Dissolved Solids	mg/L	Conductivity meter		1000	-	294.1	
Lime Hardness	mg /L $\text{CaCO}_3$	Titration	SOP/W/04	-	-	195.32	
Total Hardness	mg /L $\text{CaCO}_3$	Titration	SOP/W/05	500	-	429.80	
Alkalinity	mg /L $\text{CaCO}_3$	Titration	SOP/W/06		-	72.19	
Chloride	mg /L $\text{Cl}^-$	Titration	SOP/W/12	250	-	61.53	
<sup>acc</sup> Nitrate (as $\text{NO}_3^-$ )	mg /L $\text{NO}_3^-$	UV- Vis	SOP/W/01	50	-	14.66	
Bicarbonate	mg /L $\text{HCO}_3^-$	Titration	SOP/W/06	-	-	88.08	
Magnesium	mg /L $\text{Mg}^{2+}$	Titration	SOP/W/09	-	-	57.21	
Calcium	mg /L $\text{Ca}^{2+}$	Titration	SOP/W/09	-	-	78.32	

- <sup>acc</sup> implies parameters on scope of accreditation  
\* implies non- compliance taking into consideration the measurement uncertainty  
\*\* implies results from sub-contracting.  
<sup>cpd</sup> Implies Customer Provided Data

Ref: WP01/25C

**Decision Rule:** Results implies non-compliance with:

- i) An upper limit if the measured value plus measurement uncertainty exceeds the limit.
- ii) A lower limit if the measured value less measurement uncertainty falls below the limit.

Additions to, deviations, or exclusions from the method: None

**Opinions and Interpretations**

According to the analysis done, this water is chemically suitable for human consumption according to the **Guidelines for drinking Water Quality WHO (2008) Regulations.**

**Technical Signatory**

Name: F. Chimwe Sign Chimwe Date 29/01/25

For DGA./fc

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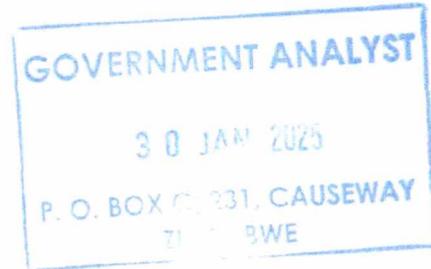
**Reference:**

GOVERNMENT ANALYST LABORATORY  
P.O. Box CY 231  
Causeway  
Zimbabwe

**LABORATORY TEST REPORT**

Lab Ref: WP01/25 D

**Customer name, address and contact details:**  
Mvura Chaiyo Pvt Ltd  
154B Old Mazowe Road  
Harare



**E.mail:** lisajuly1970@gmail.com

**Tel:** 0772223283

**Customer Ref:** Filter 3

**Sample Type:** Drinking water

**Sample Description:** 2L Filtred water

**Condition of sample:** Satisfactory

**Date taken:** 02/01/25

**Date received:** 02/01/25

**Sampling method used:** Unknown

**Sampling done by:** Customer

**Tests done:** Chemical analysis

**Date(s) of analysis:** 21-24/01/25

**Date Issued:**

**Environmental conditions:** Room temperature

**Analysis carried out at:** Government Analyst Laboratory  
49 J.Tongogara Cnr Mazowe Street, Harare

**Email:** galsamplereceipt@gmail.com

**Cell:** 0785 963 006

**Location of facility for parameters analyzed outside GAL:** N/A

**Reviewed By:** F.Chinyavanhu Deputy Director Food Control **Authorised by:** ML Musiyambiri Director Government Analyst



## RESULTS

### WATER QUALITY ANALYSIS PERFORMED BY GOVERNMENT ANALYST LABORATORY

To: Mvura Chaiyo Pvt Ltd  
Sample: WP01/25 D  
Odour: Odourless  
Colour: Colourless  
General Appearance: Clear  
Suspended matter: None  
Sediments: None

Note N.D. = Not detected

Parameter	Unit	Test Method	SOP Ref	Guidelines Value WHO (2008)	Measurement uncertainty $\pm$	Actual Results	Comment
pH		Potentiometric	SOP/W/02	6.5 - 9.5	-	7.65	
Turbidity	N.T.U	Turbidimeter		5		0.2	
Conductivity	$\mu\text{Scm}^{-1}$	Conductivity meter		-	-	575.5	
Total Dissolved Solids	mg/L	Conductivity meter		1000	-	287.75	
Lime Hardness	mg /L $\text{CaCO}_3$	Titration	SOP/W/04	-	-	341.24	
Total Hardness	mg /L $\text{CaCO}_3$	Titration	SOP/W/05	500	-	419.06	
Alkalinity	mg /L $\text{CaCO}_3$	Titration	SOP/W/06		-	65.32	
Chloride	mg /L $\text{Cl}^-$	Titration	SOP/W/12	250	-	67.07	
<sup>acc</sup> Nitrate (as $\text{NO}_3^-$ )	mg /L $\text{NO}_3^-$	UV- Vis	SOP/W/01	50	-	16.28	
Bicarbonate	mg /L $\text{HCO}_3^-$	Titration	SOP/W/06	-	-	79.69	
Magnesium	mg /L $\text{Mg}^{2+}$	Titration	SOP/W/09	-	-	18.99	
Calcium	mg /L $\text{Ca}^{2+}$	Titration	SOP/W/09	-	-	136.84	

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<sup>cpd</sup> Implies Customer Provided Data

**Ref: WP01/25D**

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- i) An upper limit if the measured value plus measurement uncertainty exceeds the limit.
- ii) A lower limit if the measured value less measurement uncertainty falls below the limit.

Additions to, deviations, or exclusions from the method: None

**Opinions and Interpretations**

According to the analysis done, this water is chemically suitable for human consumption according to the **Guidelines for drinking Water Quality WHO (2008) Regulations.**

**Technical Signatory**

Name: F. Chimwe Sign [Signature] Date 29/01/25

**For DGA./fc**

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