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DEPARTMENT OF CHEMISTRY

15 /8 2025

Sample Source; Nsawo Village Musaale Parish, Katikamu Subcounty, Katikamu County, Luwero District

Client Nsawo Vision Jumior School / Nsawo Community Development Project

Date Received: 8/8/2025

MEAN RESULTS OF THE SAMPLE MATRIX

Parameters	Units		National Standards
Ammonia-N	mg/l	0.33	1.0
Calcium as Ca ²⁺	mg/l	16.30	150
Chlorides-Cl ⁻	mg/l	25	250
Colour	Ptco	9	15
Conductivity	us/cm	105	2500
Escherichia Coli	CFU/100ml	4	0
Faecal Coliforms	CFU/100ml	0	0
Hardness total as CaCO ₃)	mg/	45	500
Magnesium as Mg 2+	mg/l	5.0	100
Nitrates-N	mg/l	17	45
Ph -	-	6.70	5.5- 9.5
PhosphorusTotal	mg/l	0.03	5
Sulphates	mg/l	26	200
Total Alkalinity (as CaCO ₃)	mg/l	61.0	600
Total Coliforms	CFU/100ml	0	10
Total dissolved solids	mg/l	615.0	1500
Total Iron	mg/l	0.650	0.3
Total suspended solids	mg/l	07	0
Turbidity	Ntu	17.0	25.0

Remarks:

The water sample showed complying physico-chemical & microbiology quality which is commensurate with the national standards for portable water.

Analyst: Ruharara Budigi.....

