

MAKERERE

P.O. Box 7062 Kampala, Uganda
Fax: 256-041-531061



UNIVERSITY

TEL: 256-041-540992

Email:

chemsity@chemistry.mak.ac.ug

DEPARTMENT OF CHEMISTRY

15 /8 2025

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

Client Blessing Junior School Kaswa / Nsawo Community Development Project

Date Received: 9/8/2025

MEAN RESULTS OF THE SAMPLE MATRIX

Parameters	Units		National Standards
Ammonia-N	mg/l	0.60	1.0
Calcium as Ca ²⁺	mg/l	14.12	150
Chlorides-Cl ⁻	mg/l	32	250
Colour	Ptco	9	15
Conductivity	us/cm	421.0	2500
Escherichia Coli	CFU/100ml	4	0
Faecal Coliforms	CFU/100ml	0	0
Hardness total as CaCO ₃)	mg/	61.0	500
Magnesium as Mg 2 ⁺	mg/l	5.0	100
Nitrates-N	mg/l	8	45
Ph -	-	6.75	5.5- 9.5
Phosphorus Total	mg/l	0.03	5
Sulphates	mg/l	29	200
Total Alkalinity (as CaCO ₃)	mg/l	64.0	600
Total Coliforms	CFU/100ml	0.10	10
Total dissolved solids	mg/l	342.0	1500
Total Iron	mg/l	0.650	0.3
Total suspended solids	mg/l	11	0
Turbidity	Ntu	22.0	25.0

Remarks:

The water sample showed uncomplying physico-chemical & microbiology quality which was not commensurate with the national standards for portable water.

Analyst: Ruharara Budigi.....

