



**NATIONAL WATER & SEWERAGE CORPORATION**  
**CENTRAL LABORATORY- Plot M11, Old Portbell Rd, Bugolobi**  
**P.O BOX 7053 KAMPALA, Email: external.services@nWSC.co.ug**  
**CERTIFICATE OF ANALYSIS**

**Client:** KCCL  
**Address:** Kasese  
**Date Sample Received:** 23/01/2020  
**Sample Description:** River Mubuku Upstream  
**Sampled By:** Client's Staff  
**Sample Number :** 50/171/2020/C/B

**Document No:** NWSC/WQ/QF/21.2A  
**Invoice No:** 131/INV/2020/025\_QUO

Parameters	Units	Test Results	National Standards for Waste Water	Test Method
Alkalinity: Total	mg/L	28	800	APHA - 2320B
B.O.D	mg/L	4.08	50	APHA6900
Bact: Faecal coliforms	CFU/100mL	2345	5000	APHA -9221 E
Bi-Carbonate	mg/L	34.16		APHA - 2320B
Calcium: as Ca <sup>2+</sup>	mg/L	11.2	Not Specified	Not Specified
Chloride	mg/L	0	500	Hach 8206
COD	mg/L	17	Not Specified	Default
Colour (apparent)	PtCo	42	50	APHA-2520B
Electrical Conductivity (EC)	uS/cm	71	2500	Hach 8028
Fat, Oil & Grease (FOG)	mg/L	1.18	10	APHA-2540 C
Fluoride	mg/L	0.57		Hach 8029
Hardness: Total	mg/L	80	Not Specified	Hach 10071
Iron: Total	mg/L	0.168	10	APHA - 2540D
Magnesium: as Mg <sup>2+</sup>	mg/L	12.48	Not Specified	APHA-3111A
Nitrate-N	mg/L	0.01	45	Hach 8029
pH (Physical-Chemical)	--	6.94	5.5 -9.5	APHA- 4500-H+ B
Sulphate	mg/L	9	500	Hach 8051
Total Dissolved Solids (TDS)	mg/L	45.44	1200	Not Specified
Total Phosphorous (TP)	mg/L	0.138	10	Default
Total Suspended Solids (TSS)	mg/L	4	100	Not Specified
Turbidity	NTU	0.81	300	Not Specified

**Remarks:**

**Chemistry :** The water sample showed complying Physiochemical characteristics compared to the National Standards for Effluents Discharge.

**Biology :** The bacteriological characteristics of the sample tested complied with the National Standards for Effluents Discharge.

**AUTHORISED BY:** Manager Central Laboratory Services.....

**APPROVED BY:** Senior Manager - Water Quality Management Department .....



*\*\*\* The NWSC certificate of analysis by no means continues to permit any person or company undertaking to conduct business. This report reflects results of the sample as received at the laboratory premises.*