KENAS Delivering Trust | KENYA ACCREDITATION SERVICE

P. O. Box 47400 – 00100 | TEL. +254 - 20 484 0000 | Nairobi, Kenya

Email: info@kenas.go.ke | Web: www.kenas.go.ke

SCHEDULE OF ACCREDITATION

QUALITYPLUS LABORATORY & CONSULTANCY SERVICES

ISO/IEC 17025:2017

Testing Laboratory Number: **KENAS/TL/109**

PERMANENT ADDRESS OF LABORATORY
GW CARGO BUILDING 1ST FLOOR, OFF MOMBASA ROAD
P.O BOX 473-00202 NAIROBI
Tel. No. +254 202673415, +254 722801996
E-MAIL: info@qplus.co.ke, fatma@qplus.co.ke
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Microbiology
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Expiry Date: 11-Aug-2030

Approved by: _____ Date: 12-August-2026

~~KENAS CEO~~/ Authorized Representative

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SCHEDULE OF ACCREDITATION – QUALITYPLUS LABORATORY & CONSULTANCY SERVICES

No.	Testing Field	Test Object/ Matrix	Test parameter	Test Method	Type of test	Measurement range	Test Location
1.	Microbiology	Water	Aerobic mesophilic plate count	Q+/LTM 01 ISO 6222	Enumeration	≥1 CFU/g, mL or swab	QPLUS MICRO-LAB
		Food / Swabs		Q+/LTM 02 ISO 4833			
		Water	Fecal coliforms	Q+/LTM 04B ISO 9308-2		≥1 MPN/Vol	
		Food / Swabs	βglucuronidase-positive E. coli	Q+/LTM 18 ISO 16649-2		≥1 CFU/g, mL or swab	
			Bacillus cereus	Q+/LTM 07 ISO 7932			
			Clostridium perfringens	Q+/LTM 08 ISO 15213-2		≥1 CFU/g, mL or swab	
			Presumptive Enterobacteriaceae	Q+/LTM 09 ISO 21528-2		≥1 CFU/g, mL or swab	
		Water	Pseudomonas aeruginosa	Q+/LTM 10 ISO 16266		≥1 MPN/Vol	
		Food / Swabs	Staphylococcus aureus	Q+/LTM 11 ISO 6888		≥1 CFU/g, mL or swab	
			yeasts and moulds	Q+/LTM 12 ISO 21527			
			Presumptive coliforms	Q+/LTM 14 ISO 4832			
			Salmonella spp.	Q+/LTM 19 ISO 6579	Detection.	Present/Absent /25g or swab	
			Shigella spp.	Q+/LTM 24 ISO 21567			
			Campylobacter species	Q+/LTM 25 ISO 10272-1			
			Listeria	Q+/LTM 03 ISO 11290			
		Water	Salmonella spp.	Q+/LTM 05 ISO 19250		Absent/Present /100mL	
			Intestinal enterococci by membrane filtration	Q+/LTM 23 ISO 7899-2	Detection and Enumeration	≥ 1 cfu/100mL	
			Escherichia coli, coliform bacteria	Q+/LTM 04 ISO 9308-1			
			Escherichia coli, coliform bacteria	Q+/LTM 04B ISO 9308-2		≥ 1 MPN/100mL	
2.	Chemistry	Water & Wastewater	Lead	USEPA 200.7	Spectrophotometry (ICP-OES)	≥0.009 mg/l	QPLUS CHEM-LAB
			Cadmium			≥0.002 mg/l	
			Mercury			≥0.05 mg/l	
			Copper			≥0.01mg/l	
			Zinc			≥0.01 mg/l	
			Phosphorus			≥0.01 mg/l	
			Sodium			≥0.01 mg/l	

			Potassium			≥0.06 mg/l	
			Chromium			≥0.02 mg/l	
			Manganese			≥0.01 mg/l	
			Magnesium			≥0.004 mg/l	
			Iron			≥0.01 mg/l	
			Selenium			≥0.01 mg/l	
	Chemistry	Water & Wastewater	Calcium	USEPA 200.7	Spectrophotometry (ICP-OES)	≥0.004 mg/l	QPLUS CHEM-LAB
			Arsenic			≥0.02 mg/l	
			Aluminum			≥0.01 mg/l	
			Barium			≥0.01 mg/l	
			Boron			≥0.01 mg/l	
			Molybdenum			≥0.02 mg/l	
			Nickel			≥0.01 mg/l	
			Color	Q+/CLTM 11	Colorimetric	0.01-500 **PCU**	
			Total Hardness as CaCO3	USEPA 200.7		≥0.005mg/l	
			Total dissolved Solids & Conductivity	Q+/CLTM 51	Potentiometric	0.1-1500mg/l 0.1-1500 µs/cm	
			Free Residual Chlorine	Q+/CLTM 16	Colorimetric	0.01-1000mg/l	
			Free Chlorine	Q+/CLTM 15		0.01-100mg/l	
			Total Chlorine	Q+/CLTM 16			
			Phosphates	Q+/CLTM 26		0.01-100mg/l	
			Sulphates	Q+/CLTM 55			
			pH	Q+/CLTM 51	Potentiometric	0-14	
			Chloride	ISO 9297	Titrimetric	≥0.14	
			Fluoride	Q+/CLTM 76	Colorimetric	0.1-20mg/l	
			Ammonium	Q+/CLTM 73			
			Turbidity	Q+/CLTM 50		0.1-1000NTU	
			Nitrate	Q+/CLTM 19		0.01-150mg/l	
			Nitrite				
			Chemical Oxygen Demand (COD)	Q+/CLTM 10		0.1-1500mg/l	
			Biological Oxygen Demand (BOD)	Q+/CLTM 27		≥4.11mg/l	
	Chemistry	Food	Total aflatoxin (B1, B2, G1, G2), Aflatoxin B1, Aflatoxin M1	Q+/CLTM 52	Quantitative ELISA	0.05ppb-50ppb	QPLUS CHEM-LAB
		Food & Swabs	Allergens	Q+/CLTM 49		1-160ppm	
		Food, food products and feeds	Lead	USEPA 200.7 & US EPA 3052	Spectrophotometry (ICP-OES)	≥0.05mg/kg	
			Cadmium			≥0.03	
			Mercury			≥0.06 mg/kg	
			Arsenic			≥0.01mg/kg	
			Zinc			≥0.03mg/kg	
			Copper			≥0.04 mg/kg	
			Phosphorus			≥0.05mg/kg	
			Iron			≥0.05mg/kg	

			Calcium			≥0.05 mg/kg	
			Total Nitrogen & Crude Protein	AOAC 2001.11, ISO 5983-2, ISO 5983-1 & ISO 20483	Gravimetric	0.5 to 90 % m/m	
			Acid Insoluble Ash	ISO 5985; Gafta 12; ISO 763; ISO 930		≥1 % m/m	
			Moisture Content	AOAC 925.10; ISO 665; ISO 925.40; ISO 939; ISO 662; AOAC 931.04; ISO 6496; ISO 672; ISO 712, AOAC 925.55		0.33%-88%	
	Chemistry	Food, food products and feeds	Crude Ash	ISO 5984; AOAC 923.03; ISO 928	Gravimetric	0.1 -90%m/m	QPLUS CHEM-LAB
			Crude Fat	ISO 6492; AOAC 920.85; AOAC 991.36; ISO 17189		0.5-85% m/m	
		Food, food products, . food, food, feeds and tea	Crude Fiber	ISO 5498		0.5 - 90% m/m	
		Food, food products and feeds	pH	Q+ CLTM 30	Electrometric	1-14	
		Tea	Moisture Content	ISO 1573	Gravimetric	0.1- 90% m/m	
			Total Ash	ISO 1575		0.2 -90% m/m	
			Water Soluble Ash & Insoluble ash	ISO 1576		0.05 -90% m/m	
			Acid Insoluble Ash	ISO 1577		≥0.5% m/m	
			Water Extract	ISO 9768		≥32% m/m	
			Alkalinity	ISO 1578		0.1 to 90% m/m	
		Food, food products and feeds	Sodium chloride	KS 35 Annex B	Titrimetric	≥0.1	
		Fruits, beverages and vegetable products	Soluble solids (Brix)	ISO 2173	Potentiometric	>1%m/m	
	Chemistry	Milk and Milk Products	Milk Solids Not Fat	AOAC 990.21	Gravimetric	0.1-70% m/m	QPLUS CHEM-LAB
			Milk Solids (Total)	AOAC 990.20		0.1- 90% m/m	
			Titratable Acidity	AOAC 947.05	Titrimetric	0.1 -90% m/m	
			Milk Fat	AOAC 989.05	Gravimetric	0.1 -90% m/m	
			Clot on Boiling	Q+ CLTM 28	Qualitative	Pass/Fail	
		Food, food products and feeds	Fat acidity	ISO 7305	Titrimetric	≥1 Mg/KOH	
		Food and food products	Density	AOAC 985.19	Physical	0.8-1.3	

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		Oils & Fats	Peroxide Value	ISO 3960	Titrimetric	≥0.1 meq/kg	
			Free Fatty Acid & Acid Value	ISO 660; ISO 729		≥0.1 %m/m / ≥1.0 KOH/g	
			Iodine Value	ISO 3961		1.0- 250 g/100g	
		Food, food products, food, feeds and tea Soap & Detergents	Iron Filings	Q+ CLTM 29	Physical	Detected/Not detected	
			Total Fatty Matter	ISO 685	Gravimetric	≥0.1 % m/m	
			Matter Insoluble in Water	ISO 684			
			Moisture and Volatile Matter	ISO 672			
			Matter Insoluble in Ethanol	ISO 673			
	Chemistry	Soap & Detergents	Total Free Alkali	ISO 685	Gravimetric	≥0.1 % m/m	QPLUS CHEM-LAB
			Free Caustic Alkali	ISO 456		≥0.01 % m/m	
			Mush	Q+ CLTM 31		≥0.1 g/cm3	
			Lather/Foam Volume	Q+ CLTM 32		≥1 mL	

Accreditation History

Type	Decision Date	Effective Date	Expiry
Initial Accreditation	12-August-2026	12-August-2026	11-August-2030

This schedule is issued subject to the terms and conditions of KENAS Accreditation.

Approved by: _____ Date: 12-August-2026

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