



KENYA ACCREDITATION SERVICE

P. O. Box 47400-00100, TEL. +254-787-395679, +254-725-227640 Nairobi, Kenya

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

SCHEDULE OF ACCREDITATION

CROP NUTRITION LABORATORY SERVICES LIMITED

ISO/IEC 17025:2017

Testing Laboratory Number: **KENAS/TL/021**

PERMANENT ADDRESS OF LABORATORY

Crop Nutrition Laboratory Services Limited

P. O. Box 66437 – 00800

Limuru Subcounty, Limuru Central Ward

Plot No 4861, Kiambu County

Nairobi - Kenya


Tel: +254 (0)20 356119; (0)720 639933; (0)736 839933

Email Address: support@cropnuts.com

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Laboratory Contact Person

Josephine Gakobo

Approved by: 
KENAS CEO/Authorized Representative

Date: 23-February-2021


2021-02-23



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SCHEDULE OF ACCREDITATION

No.	Testing Field	Test Object / Matrix	Test Parameter	Test Method	Type of Test	Measurement Range	Test Location	
General Testing (17025)	Microbiology	Water	Coliforms, Thermotolerant Coliforms and Escherichia coli	CN-TM-M16	Enumeration	2 - 1800 mpn/100ml	Microbiology Laboratory, Limuru	
			Coliforms and Escherichia coli	CN-TM-M18		≤ 100 cfu/100ml		
			Total Bacterial Count@ 22 and 37°C	CN-TM-M17		≤ 300,000 cfu/ml		
			Streptococcus faecalis / Intestinal enterococci	CN-TM-M04		>1 cfu/100ml		
			Pseudomonas aeruginosa	CN-TM-M06		>1 cfu/100ml		
	Food, feed, swabs and water	Food, feed, swabs and water	Clostridium perfringens and sulphite reducing anaerobes	CN-TM-M05	Detection	<300 cfu/plate & >1cfu/100ml		
			Staphylococcus aureus	CN-TM-M07		<300 cfu/plate & >1cfu/100ml		
			Salmonella spp.	CN-TM- M08		Qualitative		
			Vibrio spp.	CN-TM- M09		Qualitative		
	Food, feed & swabs	Food, feed & swabs	Total Plate count	CN-TM- M12	Enumeration	<300 cfu/plate		
			Total coliform count	CN-TM- M13		<300 cfu/plate		
			Escherichia coli	CN-TM- M14		<300 cfu/plate		
			Yeast and mould	CN-TM- M15		<150 cfu/plate		
			Enterobacteriaceae	CN-TM- M16		<300 cfu/plate		
Chemistry			Tea	Tea		Moisture	ISO 1573:1980	Gravimetric
	Water extract	CN-TM-P08 (ISO 9768:1994)			≥0.01 % m/m			
	Total Ash content	ISO 1575:1987			≥ 0.2 % m/m			
	Water Soluble Ash	ISO1576:1988			≥ 0.2 % m/m			
	Alkalinity of Water-Soluble Ash	ISO1578:1975			≥ 0.02 % m/m			
	Total Polyphenols	ISO14502-1:2005			Spectrophotometry	≥ 0.2 % m/m		
	Arsenic	(ICP-OES) CN-TM-P09				≥ 0.02 ppm		
	Cadmium					Cd ≥ 0.01 ppm		
	Lead					Pb ≥ 0.04 ppm		
	Food and Animal Feeds	Soil	Food and Animal Feeds	Total Aflatoxins(B1,B2,G1,G2)	CN-TM-P11	Elisa	≥ 1 ppb	
				Soil	pH	CN-TM-S02	Potentiometric	0-14
					Copper	CN-TM-S16	Spectrophotometry	Cu ≥ 0.2 ppm
					Molybdenum			Mo ≥ 0.1 ppm
					Aluminium			Al ≥ 0.8 ppm
Arsenic	As ≥ 0.2 ppm							



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57.		Iron			≥0.02 ppm Fe
58.		Boron			≥0.01 ppm B
59.		Sulphur			≥0.05 ppm S
60.		Sulphur as SO ₄			≥0.1498 ppm SO ₄
61.		Sulphur as SO ₃			≥0.1250 ppm SO ₃
62.		Zinc			≥0.01 ppm Zn
63.		Manganese			≥0.01 ppm Mn
64.		Copper			≥0.01 ppm Cu
65.		Arsenic			≥0.007 ppm As
66.		Lead			≥0.009 ppm Pb
67.		Nickel			≥0.003 ppm Ni
68.		Chromium			≥0.004 ppm Cr
69.		Cadmium			≥0.002 ppm Cd
70.		Molybdenum			≥0.01 ppm Mo
71.	Water	Electrical Conductivity	CN-TM-W02	Conductivity	≥ 1 μS/cm
72.		Fluoride	CN-TM-W04	Spectrophotometry	≥ 0.03 ppm
73.	Water & Waste Water	Arsenic	CN-TM-W14	Spectrophotometry	≥0.007 ppm
74.		Barium			≥0.01 ppm
75.		Cadmium			≥0.002 ppm
76.		Cobalt			≥0.001 ppm
77.		Chromium			≥0.004 ppm
78.		Nickel			≥0.003 ppm
79.		Lead			≥0.09 ppm
80.		Selenium			≥0.02 ppm
81.		Strontium			≥0.1 ppm
82.	Water, Effluent & Hydroponics	Aluminium	CN-TM-W08	Spectrophotometry	≥0.07ppm
83.		Potassium			≥0.12 ppm
84.		Sodium			≥0.05 ppm



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30.		Cadmium			Cd ≥ 0.2 ppm
31.		Cobalt			Co ≥ 0.1 ppm
32.		Chromium			Cr ≥ 0.15 ppm
33.		Nickel			Ni ≥ 0.1 ppm
34.		Lead			Pb ≥ 0.2 ppm
35.		Tin			Sn ≥ 0.05 ppm
36.		Strontium			Sr ≥ 0.07 ppm
37.		Potassium	CN-TM-S07	Spectrophotometry	≥0.2 ppm
38.		Aluminium			≥0.8 ppm
39.		Phosphorus			≥0.2 ppm
40.		Calcium			≥0.2 ppm
41.		Magnesium			≥0.2 ppm
42.		Iron			≥0.6 ppm
43.		Boron			≥0.02 ppm
44.		Sulphur			≥0.5 ppm
45.		Zinc			≥0.2 ppm
46.		Manganese			≥0.3 ppm
47.		Copper			≥0.2 ppm
48.	Fertilizer, Gypsum and agricultural liming material	Calcium	CN-TM-F02	Spectrophotometry	≥0.05 ppm Ca
49.		Calcium as CaO			≥0.07 ppm CaO
50.		Phosphorus			≥0.01 ppm P
51.		Phosphorus as P ₂ O ₅			≥0.0229 ppm P ₂ O ₅
52.		Phosphorus as PO ₄			≥0.0307 ppm PO ₄
53.		Potassium			≥0.12 ppm K
54.		Potassium as K ₂ O			≥0.1446 ppm K ₂ O
55.		Magnesium			≥0.02 ppm Mg
56.		Magnesium as MgO			≥0.0332 ppm MgO



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85.			Phosphorus			≥0.01 ppm	
86.			Calcium			≥0.05 ppm	
87.			Magnesium			≥0.02 p m	
88.			Iron			≥ .01 ppm	
89.			Boron			≥0.01 ppm	
90.			Sulphur			≥0.05 ppm	
91.			Silicon			≥0.02 ppm	
92.			Zinc			≥0.01 ppm	
93.			Manganese			≥0.01 ppm	
94.			Molybdenum			≥0.01 ppm	
95.			Copper			≥0.01 ppm	
96.			pH	CN-TM-W01	Potentiometric	0-14	
97.		Water & Waste Water, Fertigation Solutions and Fertilizers	(NH ₄)N	CN-TM-W06 (EPA 353.1)	Spectrophotometry	≥0.02 ppm	
98.	(NO ₃)N		CN-TM-W07 (EPA 353.1)	≥0.02 ppm			
99.	Cl ⁻		CN-TM-W03 (EPA 325.1)	≥0.1 ppm			
100.	Plant Pathology - Virus Detection	Plant - Solanaceae & cucurbitaceae, Soil and Water	Ralstonia Solanacearum	CN-TM-PT02	Elisa	Qualitative	Pathology Laboratory, Limuru

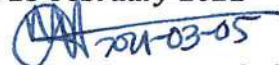
Accreditation History

Type	Decision Date	Effective Date	Expiry
Initial Assessment	20-FEB-2015	20-FEB-2015	19-FEB-2018
1 st Re-assessment	16-MAR-2018	16-MAR-2018	19-FEB-2021
2 nd Re-assessment	23-FEB-2021	23-FEB-2021	19-FEB-2025

This schedule is issued subject to the terms and conditions of KENAS Accreditation. It supersedes any other schedule(s) issued in the past.

Approved by: 
KENAS CEO/Authorized Representative

Date: 23-February-2021

 2021-03-05

