



**KENYA ACCREDITATION SERVICE**

P. O. Box 47400-00100, TEL. +254-787-395679, +254-725-227640 Nairobi, Kenya  
Email: [info@kenas.go.ke](mailto:info@kenas.go.ke) Web: [www.kenas.go.ke](http://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](mailto:support@cropnuts.com)**

**Website: [www.cropnuts.com](http://www.cropnuts.com)**

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**Laboratory Contact Person**

Josephine Gakobo

Approved by:   
**KENAS CEO/Authorized Representative**

Date: 23-February-2021

  
2021-02-24



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### SCHEDULE OF ACCREDITATION

No.	Testing Field	Type of Test	Test Method	Test Object / Matrix	Test Parameter	Measurement Range	Test Location			
1.	Microbiology	Enumeration	CN-TM-W16	Water	Coliforms, Thermotolerant Coliforms and Escherichia coli	2 - 1800 mpn/100ml	Microbiology Laboratory, Limuru			
			CN-TM-W18	Water	Coliforms and Escherichia coli	≤ 100 cfu/100ml				
			CN-TM-W17	Water	Total Bacterial Count	≤ 300,000 cfu/ml				
			CN-TM-M04	Water	Streptococcus faecalis / Intestinal enterococci	>1 cfu/100ml				
			CN-TM-M05	Food, feed, swabs and water	Clostridium perfringens and sulphite reducing anaerobes	<300 cfu/plate & >1cfu/100ml				
			CN-TM-M06	Water	Pseudomonas aeruginosa	>1 cfu/100ml				
			CN-TM-M07	Food, feed, swabs and water	Staphylococcus aureus	<300 cfu/plate & >1cfu/100ml				
			CN-TM- M12	Food, feed & swabs	Total Plate count	<300 cfu/plate				
			CN-TM- M13	Food, feed & swabs	Total coliform count	<300 cfu/plate				
			CN-TM- M14	Food, feed & swabs	Escherichia coli	<300 cfu/plate				
			CN-TM- M15	Food, feed & swabs	Yeast and mould	<150 cfu/plate				
			CN-TM- M16	Food, feed & swabs	Enterobacteriaceae	<300 cfu/plate				
			Detection	CN-TM- M08	Food, feed, swabs and water	Salmonella spp.		Qualitative		
		CN-TM- M09		Food, feed, swabs and water	Vibrio spp.	Qualitative				
		2.	Chemistry	Quantitative	ISO 1573:1980	Black Tea		Moisture	≥0.01 % m/m	Chemistry Laboratory, Limuru
					CN-TM-P08 (ISO 9768:1994)	Black Tea		Water extract	≥0.01 % m/m	
ISO 1575:1987	Black Tea				Total Ash content					
ISO1576:1988	Black Tea				Water Soluble Ash	≥ 0.2 % m/m				
ISO1578:1975	Black Tea				Alkalinity of Water-Soluble Ash	≥ 0.02 % m/m				
Conductiometry	CN-TM-W02			Water	Electrical Conductivity	≥ 1 mS/cm				
Elisa	CN-TM-P11			Food and Animal Feeds	Total Aflatoxins(B1,B2,G1, G2)	≥ 1 ppb				
Potentiometry	CN-TM-W01			Water, Effluent & Hydroponics	pH	0-14				
	CN-TM-S02			Soil						
Spectrophotometry	ISO14502-1:2005			Black Tea	Total Polyphenols	≥ 0.2 % m/m				
Spectrophotometry	(ICP-OES ) CN-TM-P09			Black Tea	Arsenic Cadmium Lead	As ≥ 0.02 ppm Cd ≥ 0.01 ppm Pb ≥ 0.04 ppm				
Spectrophotometry	(Aquaregia) CN-TM-S16			Soil	Copper Molybdenum Aluminium Arsenic Cadmium Cobalt Chromium Nickel Lead Tin Strontium	Cu ≥ 0.2 ppm Mo ≥ 0.1 ppm Al ≥ 0.8 ppm As ≥ 0.2 ppm Cd ≥ 0.2 ppm Co ≥ 0.1 ppm Cr ≥ 0.15 ppm Ni ≥ 0.1 ppm Pb ≥ 0.2 ppm Sn ≥ 0.05 ppm Sr ≥ 0.07 ppm				
Spectrophotometry	CN-TM-W04			Water	Fluoride	≥ 0.003 ppm				



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		Spectrophotometry	CN-TM-F02	Fertilizer, Gypsum and agricultural liming material	Ca P K Mg Fe B S Zn Mn Cu As Pb Ni Cr Cd Mo	≥0.05 ppm ≥0.01 ppm ≥0.12 ppm ≥0.02 ppm ≥0.01 ppm ≥0.01 ppm ≥0.05 ppm ≥0.01 ppm ≥0.01 ppm ≥0.01 ppm ≥0.007 ppm ≥0.009 ppm ≥0.003 ppm ≥0.004 ppm ≥0.002 ppm ≥0.01 ppm	
		Spectrophotometry	CN-TM-W08	Water, Effluent & Hydroponics	Al K Na P Ca Mg Fe B S Si Zn Mn Mo Cu	≥0.07ppm ≥0.12 ppm ≥0.05 ppm ≥0.01 ppm ≥0.05 ppm ≥0.02 ppm ≥0.01 ppm ≥0.01 ppm ≥0.05 ppm ≥0.02 ppm ≥0.01 ppm ≥0.01 ppm ≥0.01 ppm ≥0.01 ppm	
		Spectrophotometry	CN-TM-W14	Water & Waste Water	As Ba Cd Co Cr Ni Pb Se Sr	≥0.007 ppm ≥0.01 ppm ≥0.002 ppm ≥0.001 ppm ≥0.004 ppm ≥0.003 ppm ≥0.009 ppm ≥0.02 ppm ≥0.01 ppm	
		Spectrophotometry	CN-TM-S07	Soil	K Al P Ca Mg Fe B S Zn Mn Cu	≥0.2 ppm ≥0.8 ppm ≥0.2 ppm ≥0.2 ppm ≥0.2 ppm ≥0.6 ppm ≥0.02 ppm ≥0.5 ppm ≥0.2 ppm ≥0.3 ppm ≥0.2 ppm	
		Spectrophotometry	CN-TM-W06 (EPA 353.1)	Water & Waste Water, Fertigation Solutions and Fertilizers	(NH <sub>4</sub> )N	≥0.02 ppm	
	CN-TM-W07 (EPA 353.1)		(NO <sub>3</sub> )N		≥0.02 ppm		
	CN-TM-W03 (EPA 325.1)		Cl <sup>-</sup>		≥0.1 ppm		
3.	Plant Pathology - Virus Detection	Elisa	CN-TM-PT01	Gramineae	Maize Chlorotic Mottle Virus	Qualitative	Pathology Laboratory, Limuru
			CN-TM-PT02	Plant - Solanaceae & cucurbitaceae, Soil and Water	Ralstonia Solanacearum		



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**Accreditation History**

Type	Decision Date	Effective Date	Expiry
Initial Assessment	20-FEB-2015	20-FEB-2015	19-FEB-2018
1 <sup>st</sup> Re-assessment	16-MAR-2018	16-MAR-2018	19-FEB-2021
2 <sup>nd</sup> 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: \_\_\_\_\_

*[Handwritten Signature]*  
**KENAS CEO/Authorized Representative**

Date: 23-February-2021

*[Handwritten Signature]* 2021-02-24