



KENYA ACCREDITATION SERVICE

P. O. Box 47400-00100, TEL. +254-787-395679, +254-725-227640 Nairobi, Kenya
Email: info@kenyaaccreditation.org 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

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

Website: www.cropnuts.com

Laboratory Contact Person(s)

Josephine Gakobo

Approved by: _____

-KENAS CEO/Authorized Representative

Date: 21-May-2020



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SCHEDULE OF ACCREDITATION - TESTING

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
2.		Enumeration	CN-TM-W18	Water	Coliforms and Escherichia coli	≤ 100 cfu/100ml	
3.		Enumeration	CN-TM-W17	Water	Total Bacterial Count	≤ 300,000 cfu/ml	
4.	Chemistry	Quantitative	ISO1573:1980	Black Tea	Moisture	≥ 0.01 % m/m	Chemistry Laboratory, Limuru
5.		Quantitative	CN-TM-P08 (ISO.9768:1994)	Black Tea	Water extract	≥ 0.01 % m/m	
6.		Quantitative	ISO1575:1987	Black Tea	Total Ash Content	≥ 0.2 % m/m	
7.		Quantitative	ISO1576:1988	Black Tea	Water Soluble Ash	≥ 0.2 % m/m	
8.		Quantitative	ISO1578:1975	Black Tea	Alkalinity of Water-Soluble Ash	≥ 0.02 % m/m	
9.		Spectrophotometry	(ICP-OES) CN-TM-P09	Black Tea	Arsenic Cadmium Lead	As ≥ 0.02 ppm Cd ≥ 0.01 ppm Pb ≥ 0.04 ppm	
10.		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	
11.		Spectrophotometry	CN-TM-W04	Water	Fluoride	≥ 0.003 ppm	
12.		Conductometry	CN-TM-W02	Water	Electrical Conductivity	≥ 1 mS/cm	
13.		Elisa	CN-TM-P11	Food and Animal Feeds	Total Aflatoxins(B1,B2,G1,G2)	≥ 1 ppb	
14.		Potentiometry	CN-TM-W01	Water, Effluent & Hydroponics	pH	0-14	
15.	CN-TM-S02		Soil				
16.	Spectrophotometry	CN-TM-F02	Fertilizer, Gypsum and agricultural liming material	Ca P K Mg Fe B S Zn Mn Cu As	≥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 ≥0.01 ppm ≥0.007 ppm		

General Testing (17025)



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					Pb Ni Cr Cd Mo	≥0.009 ppm ≥0.003 ppm ≥0.004 ppm ≥0.002 ppm ≥0.01 ppm	
17.		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	
18.		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	
19.		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	
20.		Spectrophotometry	CN-TM-W06 (EPA 353.1)	Water & Waste Water, Fertigation Solutions and Fertilizers	(NH ₄)N	≥0.02 ppm	
	CN-TM-W07 (EPA 353.1)		(NO ₃)N		≥0.02 ppm		
	CN-TM-W03 (EPA 325.1)		Cl ⁻		≥0.1 ppm		
21.	Plant Pathology - Virus Detection	Elisa	CN-TM-PT01	Gramineae	Maize Chlorotic Mottle Virus	Qualitative	Pathology Laboratory, Limuru
22.			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 st Re-assessment	16-MAR-2018	16-MAR-2018	19-FEB-2021

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: *Jembo*
KENAS CEO/Authorized Representative

Date: 21-May-2020

[Signature]
2020-05-21