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

## Kenya Bureau of Standards Proficiency Testing Program

## ISO/IEC 17043:2023

Proficiency Test Provider Number: **KENAS/PT/07**

**PERMANENT ADDRESS OF THE PT PROVIDER**

**KEBS Complex, South C, Popo Road off Mombasa Road**
**P.O. Box 54974 - 00200**
**Nairobi, Kenya**
**Telephone +254 20 6948000**
Email: info@kebs.org
Website: www.kebs.org

| **Proficiency Testing Scheme Director:** | **Nominated Representative:** |
|---|---|
| Dr. Henry Rotich | Anthony Irungu |

Approved by: _____ Date: 02-MAY-2025

KENAS CEO/ Authorized Representative

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## SCHEDULE OF ACCREDITATION

| No. | Field | Protocol/ Programme | PT Item/ Material / Artefact | Parameter | Measurement Capability | Location |
|---|---|---|---|---|---|---|
| 1. | Food Chemistry | Quality in Food Chemistry PT Programme (TES/FOO/PT/01) | Wheat Flour | Moisture,<br>Crude protein,<br>Crude fat,<br>Total ash,<br>Crude fibre,<br>Fat acidity,<br>Gluten,<br>Vitamin A as retinol,<br>Copper,<br>Iron,<br>Zinc | Quantitative | KEBS-Food Laboratory, Nairobi |
| | | | Maize Flour | Moisture,<br>Crude protein,<br>Crude fat,<br>Total ash,<br>Crude fibre,<br>Fat acidity,<br>Vitamin A as retinol,<br>Copper,<br>Iron,<br>Zinc | | |
| | | | | Aflatoxin B1,<br>Aflatoxin B2,<br>Aflatoxin G1,<br>Aflatoxin G2,<br>Total Aflatoxin,<br>Fumonisins | | |
| | | | Milk UHT | Milk fat,<br>Density at 20°C,<br>Protein,<br>Total solids,<br>Titratable acidity as lactic acid,<br>Freezing point depression, pH,<br>pH variation,<br>Aflatoxin M1,<br>Calcium,<br>Lactose | | |
| | | Quality in Feeds PT Programme (TES/AGR/PT/01) | Animal Feeds | Moisture content,<br>Crude protein,<br>Crude fat, total ash,<br>Crude fibre,<br>Acid insoluble ash,<br>Calcium,<br>Phosphorus,<br>Zinc | | KEBS-Agriculture Laboratory, Nairobi |
| | | Quality in Food Chemistry PT Programme | Black Tea | Moisture content,<br>Water extracts,<br>Total ash, | | |

| No. | Field | Protocol/ Programme | PT Item/ Material / Artefact | Parameter | Measurement Capability | Location |
|---|---|---|---|---|---|---|
| | | (TES/AGR/PT/01) | | Water soluble ash as % total ash,<br>Alkalinity of water-soluble ash as KOH,<br>Acid insoluble ash,<br>Crude fibre,<br>Ttotal polyphenols,<br>Total catechins,<br>Iron,<br>Copper,<br>Zinc,<br>Arsenic,<br>Calcium | | |
| | | Beer Quality PT programme (TES/ORG/PT/02) | Beer | Ethanol,<br>Total acidity as tartaric acid,<br>Volatile acidity as acetic acid,<br>Total solids,<br>Brix,<br>Specific gravity<br>Total sugars | | KEBS – Organic Laboratory, Nairobi. |
| 2. | Microbiology | Quality in Food Microbiology PT Programme (TES/MIC/PT/01) | Black Tea | *Total viable count, Coliforms,*<br>Escherichia *coli,*<br>Staphylococcus *aureus,*<br>Yeast,<br>Moulds, | Quantitative | KEBS – Microbiology Laboratory, Nairobi. |
| | | | | *Salmonella species.* | Qualitative | |
| | | Quality in Food Microbiology PT Programme (TES/MIC/PT/01) | Skim Milk powder | Total Viable Count,<br>Coliforms,<br>*Escherichia coli,*<br>Coagulase-positive Staphylococci,<br>Listeria *monocytogenes* | Quantitative | KEBS – Microbiology Laboratory, Nairobi. |
| | | | | Listeria species,<br>Salmonella species. | Qualitative | |
| | | Quality in Portable/Drinking Water Microbiology PT Programme (TES/MIC/PT/02) | Drinking Water | Total Coliforms,<br>Faecal Coliforms,<br>Escherichia *coli,*<br>Pseudomonas *aeruginosa,*<br>Enterococcus *faecalis,*<br>*Salmonella* spp.,<br>Total Viable Count @ 37°C,<br>Total Viable Count @22°C | Quantitative | KEBS – Microbiology Laboratory, Nairobi. |
| | | | | Faecal Coliforms<br>Escherichia *coli*<br>Salmonella spp. | Qualitative | |

| No. | Field | Protocol/ Programme | PT Item/ Material / Artefact | Parameter | Measurement Capability | Location |
|---|---|---|---|---|---|---|
| 3. | Chemistry | Quality in Food Chemistry PT Programme (TES/ING/PT/02) | Drinking Water Ground Water | Sulphate, Chloride, Fluoride, Nitrates, Phosphates, Total dissolved solids, Conductivity, Calcium, Magnesium, Potassium, Iron, Manganese, Aluminium, Lead, Copper, Zinc, Chromium, Nickel, Arsenic, Cadmium, Cobalt | Quantitative | KEBS Inorganic Chemistry Laboratories, Nairobi |
| | | Water Quality PT Programme (TES/ING/PT/02) | Waste Water | pH, Total dissolved solids, Total suspended solids, Turbidity, Biological oxygen demand, Chemical oxygen demand | Quantitative | KEBS – Inorganic Chemistry Laboratory, Nairobi |
| | | Paint Quality PT programme (TES/ING/PT/03) | Emulsion Paint Gloss paint | Lead | Quantitative | KEBS – Inorganic Chemistry Laboratory, Nairobi |
| | | Cement Quality PT programme (TES/ING/PT/05) | Ordinary Portland Cement Portland Pozzolana Cement | Loss on ignition Insoluble residue Chloride content Sulphate content | Quantitative | KEBS – Inorganic Chemistry Laboratory, Nairobi |
| | | Soil Quality PT Programme (TES/ING/PT/04) | Agricultural Soil (Loam) Contaminated soil | pH, Electrical conductivity, Zinc, Iron, Manganese, Copper, Calcium, Magnesium, Potassium, Sulphur, Sodium, Boron, Molybdenum | Quantitative | KEBS – Inorganic Chemistry Laboratory, Nairobi |

| No. | Field | Protocol/ Programme | PT Item/ Material / Artefact | Parameter | Measurement Capability | Location |
|---|---|---|---|---|---|---|
| | | Spirit-based Alcoholic Beverages Quality PT programme (TES/ORG/PT/01) | Alcohol in Aqueous Media | Ethanol, Methanol, n-Propanol, Amyl alcohol, Isopropyl alcohol (IPA), Ethylacetate, Acetic acid, Furfural. | Quantitative | KEBS – Organic Laboratory, Nairobi. |
| | | Soil Quality PT Programme (TES/ING/PT/04) | Agricultural Soil (Loam) Contaminated soil | pH, Electrical conductivity, zinc, iron, manganese, copper, calcium, magnesium, potassium, Sulphur, sodium, boron, molybdenum | Quantitative | KEBS – Inorganic Chemistry Laboratory, Nairobi |
| | | Spirit-based Alcoholic Beverages Quality PT programme (TES/ORG/PT/01) | Alcohol in Aqueous Media | Ethanol, Methanol, n-Propanol, Amyl alcohol, Isopropyl alcohol (IPA), Ethylacetate, Acetic acid, Furfural. | Quantitative | KEBS – Organic Laboratory, Nairobi. |
| 4. | Chemistry | Paint Quality PT programme (TES/POL/PT/01) | Emulsion Paint Gloss paint | Total Solids, pH, Opacity | Quantitative | KEBS – Polymer Laboratory, Nairobi |
| 5. | Petroleum | Petroleum Products Quality PT programme (TES/ORG/PT/03) | AGO (Diesel) | Density at 15°C and 20°C, Flashpoint, Distillation range, Viscosity at 40°C, Cetane Index, ASTM Colour. | Quantitative | KEBS – Organic Laboratory, Nairobi. |
| 6. | Textiles | Woven Fabric quality PT Program (TES/TEX/PT/01) | Woven Fabric | Breaking strength and elongation (strip method), Tear force tongue-shaped, Tear force ballistic pendulum, Dimensional changes induced by cold-water immersion, Mass per unit area/length, Fabric width, Construction (threads per unit length), Fibre composition and proportion | Quantitative | KEBS – Textile Laboratory, Nairobi. |
| | | | | Color fastness to washing with soap or soap and soda, | Qualitative | KEBS – Textile Laboratory, Nairobi. |

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|---|---|---|---|---|---|---|
| | | | | Colour fastness to rubbing,<br>Colour fastness to perspiration | | |
| 7. | Physical - Engineering | Leather Quality PT Programme (TES/POL/PT/02) | Leather | Tensile Strength,<br>Elongation,<br>Shear at Break | Qualitative | KEBS – Polymer Laboratory, Nairobi. |
| | | Cement Quality PT programme (TES/CIV/PT/01) | Ordinary Portland Cement | Compressive strength<br>Setting time<br>Soundness | Quantitative | KEBS – Civil Laboratory, Nairobi. |

## Accreditation History

| Type | Decision Date | Effective Date | Expiry |
|---|---|---|---|
| Initial Accreditation | 02-MAY-2025 | 02-MAY-2025 | 01-MAY-2029 |

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

Approved by: _____ Date: 02-MAY-2025

KENAS CEO/ Authorized Representative