



## UGANDA NATIONAL BUREAU OF STANDARDS

### CERTIFICATE OF LABORATORY RECOGNITION

Certificate No: UNBS/LRS/0018

This certificate is valid as per the scope stated in the accompanying schedule of recognition, Annex "A" which is an integral part of the present certificate bearing the above recognition number for

#### CHEMISTRY AND MICROBIOLOGICAL TESTING FOR FOOD AND CHEMICAL PRODUCTS

In accordance with the recognised International Standard **ISO/IEC 17025:2017**

Being supplied to

#### UGANDA INDUSTRIAL RESEARCH INSTITUTE

Plot No.42A Mukabya Road, Nakawa Industrial Area.  
P.O Box 7086 Kampala, Uganda.

The recognition demonstrates technical competence and the operation of a laboratory quality management system to perform the tests as described in the Annex. While this certificate remains valid, the recognised laboratory above is authorised to use the relevant UNBS recognition number to issue facility reports and /or certificates.

*Recognition Decision Date: 2022-08-09*  
*Date of original issue: 2019-05-13*  
*Certificate Issue No:03*

*Effective Date: 2022-08-09*  
*Expiry date: 2024-05-31*  
*Certificate Issue date: 2022-08-09*

A blue ink signature of the Executive Director is placed over a dotted line.

Executive Director  
UGANDA NATIONAL BUREAU OF STANDARDS



**ANNEX A**

**SCHEDULE OF RECOGNITION – TESTING LABORATORIES**

<b>Facility Number</b>	<b>UNBS/LRS/0018</b>	<b>S/N</b>	<b>Technical Signatories</b>	<b>Method</b>
Uganda Industrial Research Institute Analytical Laboratories  P.O Box 7086 Kampala, Uganda  Plot 24A, Mukabya Road – Nakawa Industrial Area, Kampala	1	Muhereza Ivan (TS)		<p><b>Chemistry</b></p> <ul style="list-style-type: none"> <li>• AOAC official method 920.87-1920, Protein (Total) in Grains/flour, Titrimetric method</li> <li>• ISO 712:2009, Cereals and cereal products — Determination of moisture content — Reference method</li> <li>• AOAC official method AOAC 920.85-1920, Fat (crude) or ether extract in flour</li> <li>• AOAC official method 923.03-1923, Ash of Flour (Direct Method)</li> <li>• ISO 5498:1981, Agricultural food products — Determination of crude fibre content — General method</li> <li>• AOAC official method 999.11-2005(2006) Lead, Cadmium, Copper, Iron, and Zinc in Foods, Atomic Absorption Spectrophotometry (Dry Ashing method)</li> <li>• AOAC official method 2001.13-2011, Vitamin A (Retinol) in Foods, Liquid Chromatographic method</li> <li>• AOAC official method 982.29-1983, Determination of Vitamin D in Mixed Feeds, Premixes, and Pet Food, Liquid Chromatographic Method</li> <li>• ISO 6491:1998, Animal feeding stuffs — Determination of phosphorus content — Spectrometric method</li> <li>• ISO 17318:2015, Fertilizers and soil conditioners — Determination of arsenic, cadmium, chromium, lead and mercury contents</li> <li>• ISO 11047:1998, Soil quality — Determination of cadmium, chromium, cobalt, copper, lead, manganese, nickel and zinc — Flame and electrothermal atomic absorption spectrometric methods</li> <li>• EAS 104:2014, Alcoholic beverages — Methods of sampling and test</li> </ul>
	2	Waibale Wilber (TS)		<p><b>Chemistry</b></p> <ul style="list-style-type: none"> <li>• AOAC official method 920.87-1920, Protein (Total) in Grains/flour, Titrimetric method</li> <li>• ISO 712:2009, Cereals and cereal products — Determination of moisture content — Reference method</li> </ul>

		<ul style="list-style-type: none"> <li>• AOAC official method AOAC 920.85-1920, Fat (crude) or ether extract in flour</li> <li>• AOAC 923.03-1923, Ash of Flour (Direct Method)</li> <li>• ISO 5498:1981, Agricultural food products — Determination of crude fibre content — General method</li> <li>• AOAC official method 999.11-2005(2006) Lead, Cadmium, Copper, Iron, and Zinc in Foods, Atomic Absorption Spectrophotometry (Dry Ashing method)</li> <li>• AOAC official method 2001.13-2011, Vitamin A (Retinol) in Foods, Liquid Chromatographic method</li> <li>• AOAC official method 982.29-1983, Vitamin D in Mixed Feeds, Premixes, and Pet Food, Liquid Chromatographic Method</li> <li>• ISO 6491:1998, Animal feeding stuffs — Determination of phosphorus content — Spectrometric method</li> <li>• ISO 4316:1977, Surface active agents — Determination of pH of aqueous solutions — Potentiometric method</li> <li>• ISO 685:2020, Analysis of soaps — Determination of total alkali content and total fatty matter content</li> <li>• ISO 6839:1982, Anionic surface active agents — Determination of solubility in water</li> <li>• ISO 9831:1998, Animal feeding stuffs, animal products, and faeces or urine — Determination of gross calorific value — Bomb calorimeter method</li> <li>• ISO 456:1973, Surface active agents — Analysis of soaps — Determination of free caustic alkali</li> <li>• EAS 104:2014, Alcoholic beverages — Methods of sampling and test</li> <li>• AOAC official method 925.56-1925, Iodine in Iodized Salt, Titrimetric method</li> <li>• ISO 1576:1988, Tea — Determination of water-soluble ash and water-insoluble ash</li> <li>• ISO 1578:1975, Tea — Determination of alkalinity of water-soluble ash</li> <li>• ISO 1577:1987, Tea — Determination of acid-insoluble ash</li> </ul>
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		<ul style="list-style-type: none"> <li>• ISO 15598:1999, Tea — Determination of crude fibre content</li> <li>• ISO 7980:1986, Water quality — Determination of calcium and magnesium — Atomic absorption spectrometric method</li> </ul>
3	Ayebare Brenda (A)	<p><b>Chemistry</b></p> <ul style="list-style-type: none"> <li>• AOAC official method 920.87-1920, Protein (Total) in Grains/flour, Titrimetric method</li> <li>• ISO 712:2009, Cereals and cereal products — Determination of moisture content — Reference method</li> <li>• AOAC official method AOAC 920.85-1920, Fat (crude) or ether extract in flour</li> <li>• AOAC 923.03-1923, Ash of Flour (Direct Method)</li> <li>• ISO 5498:1981, Agricultural food products — Determination of crude fibre content — General method</li> <li>• AOAC official method 2001.13-2011, Vitamin A (Retinol) in Foods, Liquid Chromatographic method</li> <li>• AOAC official method 982.29-1983, Vitamin D in Mixed Feeds, Premixes, and Pet Food, Liquid Chromatographic Method</li> <li>• ISO 6491:1998, Animal feeding stuffs — Determination of phosphorus content — Spectrometric method</li> <li>• EAS 104:2014, Alcoholic beverages — Methods of sampling and test</li> <li>• AOAC official method 925.56-1925, Iodine in Iodized Salt, Titrimetric method</li> <li>• ISO 5537:2004 [IDF 26:2004], Dried milk — Determination of moisture content (Reference method)</li> <li>• ISO 6321:2021, Animal and vegetable fats and oils — Determination of melting point in open capillary tubes — Slip point</li> <li>• ISO 7305:2019, Milled cereal products — Determination of fat acidity</li> <li>• ISO 5985:2002, Animal feeding stuffs — Determination of ash insoluble in hydrochloric acid</li> <li>• ISO 1576:1988, Tea — Determination of water-soluble</li> </ul>

		<p>ash and water-insoluble ash</p> <ul style="list-style-type: none"> <li>• ISO 1578:1975, Tea — Determination of alkalinity of water-soluble ash</li> <li>• ISO 1577:1987, Tea — Determination of acid-insoluble ash</li> <li>• ISO 15598:1999, Tea — Determination of crude fibre content</li> <li>• ISO 7980:1986, Water quality — Determination of calcium and magnesium — Atomic absorption spectrometric method</li> </ul>
4	Okoth Thomas (A)	<p><b>Chemistry</b></p> <ul style="list-style-type: none"> <li>• ISO 9297:1989, Water quality — Determination of chloride — Silver nitrate titration with chromate indicator (Mohr's method)</li> <li>• EAS 104:2014, Alcoholic beverages — Methods of sampling and test</li> <li>• ISO 5498:1981, Agricultural food products — Determination of crude fibre content — General method</li> <li>• ISO 7980:1986, Water quality — Determination of calcium and magnesium — Atomic absorption spectrometric method</li> <li>• ISO 10523:2008, Water quality — Determination of pH</li> <li>• ISO 7887:2011, Water quality — Examination and determination of colour</li> <li>• AOAC official method 920.87-1920, Protein (Total) in Grains/flour, Titrimetric method</li> <li>• ISO 712:2009, Cereals and cereal products — Determination of moisture content — Reference method</li> <li>• AOAC official method AOAC 920.85-1920, Fat (crude) or ether extract in flour</li> <li>• AOAC official method 923.03-1923, Ash of Flour (Direct Method)</li> <li>• AOAC official method 2001.13-2011, Vitamin A (Retinol) in Foods, Liquid Chromatographic method</li> </ul>
5	Kushemerer wa Daphine (A)	<p><b>Chemistry</b></p> <ul style="list-style-type: none"> <li>• EAS 104:2014, Alcoholic beverages — Methods of sampling and test</li> <li>• AOAC official method 920.87-1920, Protein (Total) in Grains/flour, Titrimetric method</li> <li>• ISO 712:2009, Cereals and cereal products —</li> </ul>

		<p>Determination of moisture content — Reference method</p> <ul style="list-style-type: none"> <li>• AOAC official method AOAC 920.85-1920, Fat (crude) or ether extract in flour</li> <li>• AOAC official method 923.03-1923, Ash of Flour (Direct Method)</li> <li>• ISO 5498:1981, Agricultural food products — Determination of crude fibre content — General method</li> <li>• AOAC official method 2001.13-2011, Vitamin A (Retinol) in Foods, Liquid Chromatographic method</li> <li>• ISO 9297:1989, Water quality — Determination of chloride — Silver nitrate titration with chromate indicator (Mohr's method)</li> <li>• AOAC official method 999.11-2005 Lead, Cadmium, Copper, Iron, and Zinc in Foods, Atomic Absorption Spectrophotometry (Dry Ashing method)</li> <li>• ISO 1573:1980, Tea — Determination of loss in mass at 103 degrees Celsius</li> <li>• ISO 9768:1994, Tea — Determination of water extract</li> <li>• ISO 1576:1988, Tea — Determination of water-soluble ash and water-insoluble ash</li> <li>• ISO 1578:1975, Tea — Determination of alkalinity of water-soluble ash</li> <li>• ISO 1577:1987, Tea — Determination of acid-insoluble ash</li> <li>• ISO 15598:1999, Tea — Determination of crude fibre content</li> <li>• ISO 7980:1986, Water quality — Determination of calcium and magnesium — Atomic absorption spectrometric method</li> <li>• ISO 6059:1984, Water quality — Determination of the sum of calcium and magnesium — EDTA titrimetric method</li> <li>• ASTM D5907-18, Standard Test Methods for Filterable</li> </ul>
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		Matter (Total Dissolved Solids) and Nonfilterable Matter (Total Suspended Solids) in Water
6	Akello Patricia (A)	<p><b>Chemistry</b></p> <ul style="list-style-type: none"> <li>• AOAC official method 920.87-1920, Protein (Total) in Grains/flour, Titrimetric method</li> <li>• ISO 712:2009, Cereals and cereal products — Determination of moisture content — Reference method</li> <li>• AOAC official method AOAC 920.85-1920, Fat (crude) or ether extract in flour</li> <li>• AOAC official method 923.03-1923, Ash of Flour (Direct Method)</li> <li>• ISO 5498:1981, Agricultural food products — Determination of crude fibre content — General method</li> <li>• AOAC official method 2001.13-2011, Vitamin A (Retinol) in Foods, Liquid Chromatographic method</li> <li>• AOAC official method 982.29-1983, Determination of Vitamin D in Mixed Feeds, Premixes, and Pet Food, Liquid Chromatographic Method</li> <li>• ISO 457:1983, Soaps — Determination of chloride content — Titrimetric method</li> <li>• ISO 456:1973, Surface active agents — Analysis of soaps — Determination of free caustic alkali</li> <li>• ISO 1443:1973, Meat and meat products — Determination of total fat content</li> <li>• EAS 104:2014, Alcoholic beverages — Methods of sampling and test</li> <li>• ISO 1576:1988, Tea — Determination of water-soluble ash and water-insoluble ash</li> <li>• ISO 1578:1975, Tea — Determination of alkalinity of water-soluble ash</li> <li>• ISO 1577:1987, Tea — Determination of acid-insoluble ash</li> <li>• ISO 15598:1999, Tea — Determination of crude fibre content</li> <li>• ISO 7980:1986, Water quality — Determination of calcium and magnesium — Atomic absorption spectrometric method</li> </ul>

	7	Miyule Ivan (A)	<b>Chemistry</b> <ul style="list-style-type: none"> <li>• AOAC official method 920.87-1920, Protein (Total) in Grains/flour, Titrimetric method</li> <li>• ISO 712:2009, Cereals and cereal products — Determination of moisture content — Reference method</li> <li>• AOAC official method AOAC 920.85-1920, Fat (crude) or ether extract in flour</li> <li>• AOAC official method 923.03-1923, Ash of Flour (Direct Method)</li> <li>• ISO 5985:2002, Animal feeding stuffs — Determination of ash insoluble in hydrochloric acid</li> <li>• AOAC official method 2001.13-2011, Vitamin A (Retinol) in Foods, Liquid Chromatographic method</li> <li>• AOAC official method 982.29-1983, Vitamin D in Mixed Feeds, Premixes, and Pet Food, Liquid Chromatographic Method</li> <li>• ISO 5498:1981, Agricultural food products — Determination of crude fibre content — General method</li> <li>• ISO 7980:1986, Water quality — Determination of calcium and magnesium — Atomic absorption spectrometric method</li> <li>• ISO 10523:2008, Water quality — Determination of pH</li> <li>• ISO 7887:2011, Water quality — Examination and determination of colour</li> <li>• ISO 685:2020, Analysis of soaps — Determination of total alkali content and total fatty matter content</li> <li>• ISO 6839:1982, Anionic surface active agents — Determination of solubility in water</li> <li>• ISO 456:1973, Surface active agents — Analysis of soaps — Determination of free caustic alkali</li> <li>• ISO 672:1978, Soaps — Determination of moisture and volatile matter content — Oven method</li> <li>• ISO 4316:1977, Surface active agents — Determination of pH of aqueous solutions — Potentiometric method</li> <li>• ISO 673:1981, Soaps — Determination of content of ethanol-insoluble matter</li> </ul>
	8	Atwongyere Rhodah (A)	<b>Chemistry</b> <ul style="list-style-type: none"> <li>• AOAC official method 920.87-1920,</li> </ul>

		<p>Protein (Total) in Grains/flour, Titrimetric method</p> <ul style="list-style-type: none"> <li>• ISO 712:2009, Cereals and cereal products — Determination of moisture content — Reference method</li> <li>• AOAC official method AOAC 920.85-1920, Fat (crude) or ether extract in flour</li> <li>• AOAC official method 923.03-1923, Ash of Flour (Direct Method)</li> <li>• ISO 5498:1981, Agricultural food products — Determination of crude fibre content — General method</li> <li>• AOAC official method 2001.13-2011, Vitamin A (Retinol) in Foods, Liquid Chromatographic method</li> <li>• AOAC official method 982.29-1983, Vitamin D in Mixed Feeds, Premixes, and Pet Food, Liquid Chromatographic Method</li> <li>• AOAC official method 942.06-1942, Determination of Alcohol by volume in distilled liquors, Pycnometer method</li> <li>• EAS 104:2014, Alcoholic beverages — Methods of sampling and test</li> <li>• ISO 7305:2019, Milled cereal products — Determination of fat acidity</li> <li>• ISO 5985:2002, Animal feeding stuffs — Determination of ash insoluble in hydrochloric acid</li> <li>• ISO 10390:2005, Soil quality — Determination of pH</li> <li>• ISO 2446:2008 [IDF 226:2008], Milk — Determination of fat content</li> <li>• AOAC official method 999.11-2005(2006) Lead, Cadmium, Copper, Iron, and Zinc in Foods, Atomic Absorption Spectrophotometry (Dry Ashing method)</li> <li>• ISO 8968-4:2016 [IDF 20-4:2016], Milk and milk products — Determination of nitrogen content — Part 4: Determination of protein and non-protein nitrogen content and true protein content calculation (Reference method)</li> <li>• AOAC Official method 945.10-1945, pH of Beer, Potentiometric Method</li> <li>• AOAC Official method 947.05-1947, Acidity of milk, Titrimetric Method</li> </ul>
9	Gazet Robert (A)	<p><b>Chemistry</b></p> <ul style="list-style-type: none"> <li>• AOAC official method 982.29-1983, Vitamin D in Mixed Feeds, Premixes, and Pet Food, Liquid</li> </ul>

		<p>Chromatographic Method</p> <ul style="list-style-type: none"> <li>• ISO 6491:1998, Animal feeding stuffs — Determination of phosphorus content — Spectrometric method</li> <li>• EAS 104:2014, Alcoholic beverages — Methods of sampling and test</li> <li>• AOAC official method 925.56-1925, Iodine in Iodized Salt, Titrimetric method</li> <li>• ISO 5537:2004 [IDF 26:2004], Dried milk — Determination of moisture content (Reference method)</li> <li>• ISO 6321:2021, Animal and vegetable fats and oils — Determination of melting point in open capillary tubes — Slip point</li> <li>• ISO 7305:2019, Milled cereal products — Determination of fat acidity</li> <li>• ISO 5985:2002, Animal feeding stuffs — Determination of ash insoluble in hydrochloric acid</li> <li>• AOAC official method 920.87-1920, Protein (Total) in Grains/flour, Titrimetric method</li> <li>• ISO 712:2009, Cereals and cereal products — Determination of moisture content — Reference method</li> <li>• AOAC official method AOAC 920.85-1920, Fat (crude) or ether extract in flour</li> <li>• AOAC official method 923.03-1923, Ash of Flour (Direct Method)</li> <li>• ISO 5498:1981, Agricultural food products — Determination of crude fibre content — General method</li> <li>• EAS 104:2014, Alcoholic beverages — Methods of sampling and test</li> </ul>
10	Nahabwe Rhonah (A)	<p><b>Chemistry</b></p> <ul style="list-style-type: none"> <li>• AOAC official method 920.87-1920, Protein (Total) in Grains/flour, Titrimetric method</li> <li>• ISO 712:2009, Cereals and cereal products — Determination of moisture content — Reference method</li> <li>• AOAC official method AOAC 920.85-1920, Fat (crude) or ether extract in flour</li> </ul>

		<ul style="list-style-type: none"> <li>• AOAC official method 923.03-1923, Ash of Flour (Direct Method)</li> <li>• ISO 5498:1981, Agricultural food products — Determination of crude fibre content — General method</li> <li>• AOAC official method 2001.13-2011, Vitamin A (Retinol) in Foods, Liquid Chromatographic method</li> <li>• AOAC official method 982.29-1983, Determination of Vitamin D in Mixed Feeds, Premixes, and Pet Food, Liquid Chromatographic Method</li> <li>• ISO 5498:1981, Agricultural food products — Determination of crude fibre content — General method</li> <li>• ISO 7305:2019, Milled cereal products — Determination of fat acidity</li> <li>• ISO 5985:2002, Animal feeding stuffs — Determination of ash insoluble in hydrochloric acid</li> <li>• ISO 10390:2021, Soil quality — Determination of pH</li> <li>• ISO 2446:2008 [IDF 226:2008], Milk — Determination of fat content</li> <li>• AOAC official method 999.11-2005(2006) Lead, Cadmium, Copper, Iron, and Zinc in Foods, Atomic Absorption Spectrophotometry (Dry Ashing method)</li> <li>• ISO 8968-4:2016 [IDF 20-4:2016], Milk and milk products — Determination of nitrogen content — Part 4: Determination of protein and non-protein nitrogen content and true protein content calculation (Reference method)</li> <li>• EAS 104:2014, Alcoholic beverages — Methods of sampling and test</li> <li>• AOAC Official method 947.05-1947, Acidity of milk, Titrimetric Method</li> </ul>
11	Kembubi Lynn (A)	<p><b>Chemistry</b></p> <ul style="list-style-type: none"> <li>• ISO 3960:2017, Animal and vegetable fats and oils — Determination of peroxide value — Iodometric (visual) endpoint determination</li> <li>• ISO 660:2020, Animal and vegetable fats and oils — Determination of acid value and acidity</li> <li>• ISO 2479:1972, Sodium chloride for industrial use — Determination of matter insoluble in water or in acid and preparation of principal solutions for other</li> </ul>

		determinations <ul style="list-style-type: none"> <li>• ISO 662:2016, Animal and vegetable fats and oils — Determination of moisture and volatile matter content</li> <li>• ISO 712:2009, Cereals and cereal products — Determination of moisture content — Reference method</li> <li>• AOAC official method AOAC 920.85-1920, Fat (crude) or ether extract in flour</li> <li>• AOAC official method 923.03-1923, Ash of Flour (Direct Method)</li> <li>• ISO 5498:1981, Agricultural food products — Determination of crude fibre content — General method</li> <li>• AOAC official method 2001.13-2011, Vitamin A (Retinol) in Foods, Liquid Chromatographic method</li> <li>• AOAC official method 982.29-1983, Determination of Vitamin D in Mixed Feeds, Premixes, and Pet Food, Liquid Chromatographic Method</li> <li>• ISO 5985:2002, Animal feeding stuffs — Determination of ash insoluble in hydrochloric acid</li> <li>• ISO 4316:1977, Surface active agents — Determination of pH of aqueous solutions — Potentiometric method</li> </ul>
12	Atukunda Fiona (A)	<p><b>Chemistry</b></p> <ul style="list-style-type: none"> <li>• AOAC official method 920.87-1920, Protein (Total) in Grains/flour, Titrimetric method</li> <li>• ISO 712:2009, Cereals and cereal products — Determination of moisture content — Reference method</li> <li>• AOAC official method AOAC 920.85-1920, Fat (crude) or ether extract in flour</li> <li>• AOAC official method 923.03-1923, Ash of Flour (Direct Method)</li> <li>• ISO 5498:1981, Agricultural food products — Determination of crude fibre content — General method</li> <li>• ISO 7305:2019, Milled cereal products — Determination of fat acidity</li> <li>• ISO 5985:2002, Animal feeding stuffs — Determination of ash insoluble in hydrochloric acid</li> </ul>

		<ul style="list-style-type: none"> <li>• ISO 2446:2008 [IDF 226:2008], Milk — Determination of fat content</li> <li>• AOAC official method 999.11-2005(2006) Lead, Cadmium, Copper, Iron, and Zinc in Foods, Atomic Absorption Spectrophotometry (Dry Ashing method)</li> <li>• ISO 8968-4:2016 [IDF 20-4:2016], Milk and milk products — Determination of nitrogen content — Part 4: Determination of protein and non-protein nitrogen content and true protein content calculation (Reference method)</li> <li>• AOAC Official method 947.05-1947, Acidity of milk, Titrimetric Method</li> </ul>
13	Waiswa Daniel (A)	<p><b>Chemistry</b></p> <ul style="list-style-type: none"> <li>• AOAC official method 920.87-1920, Protein (Total) in Grains/flour, Titrimetric method</li> <li>• ISO 712:2009, Cereals and cereal products — Determination of moisture content — Reference method</li> <li>• AOAC official method AOAC 920.85-1920, Fat (crude) or ether extract in flour</li> <li>• AOAC official method 923.03-1923, Ash of Flour (Direct Method)</li> <li>• ISO 5498:1981, Agricultural food products — Determination of crude fibre content — General method</li> <li>• ISO 8968-4:2016 [IDF 20-4:2016], Milk and milk products — Determination of nitrogen content — Part 4: Determination of protein and non-protein nitrogen content and true protein content calculation (Reference method)</li> <li>• AOAC Official method 947.05-1947, Acidity of milk, Titrimetric Method</li> <li>• ISO 6059:1984, Water quality — Determination of the sum of calcium and magnesium — EDTA titrimetric method</li> <li>• ASTM D5907-18, Standard Test Methods for Filterable Matter (Total Dissolved Solids) and Nonfilterable Matter (Total Suspended Solids) in Water</li> </ul>
14	Jean Rubakuba (TS)	<p><b>Micro Biology</b></p> <ul style="list-style-type: none"> <li>• ISO 4833-1:2013, Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 1: Colony count at 30 °C by the pour plate technique</li> <li>• ISO 4833-2:2013, Microbiology of the food chain —</li> </ul>

		<p>Horizontal method for the enumeration of microorganisms — Part 2: Colony count at 30 °C by the surface plating technique</p> <ul style="list-style-type: none"> <li>• ISO 9308-1:2014, Water quality — Enumeration of Escherichia coli and coliform bacteria — Part 1: Membrane filtration method for waters with low bacterial background flora, Chromogenic Method</li> <li>• ISO 9308-2:2012, Water quality — Enumeration of Escherichia coli and coliform bacteria — Part 2: Most probable number method, Chromogenic Method</li> <li>• ISO 21527-1:2008, Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of yeasts and moulds — Part 1: Colony count technique in products with water activity greater than 0,95</li> <li>• ISO 21527-2:2008, <i>Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of yeasts and moulds — Part 2: Colony count technique in products with water activity less than or equal to 0,95</i></li> <li>• ISO 6888-1:1999/Amd 2:2018, <i>Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coagulase-positive staphylococci (<i>Staphylococcus aureus</i> and other species) — Part 1: Technique using Baird-Parker agar medium — Amendment 2: Inclusion of an alternative confirmation test using RPFA stab method</i></li> <li>• AOAC official method 967.26-1974, <i>Salmonella in processed foods, Detection Method</i></li> <li>• AOAC official method 967.25-1970(2003), <i>Salmonella in foods, Preparation of culture media and Reagents.</i></li> <li>• BS 6905:1987. Method for Estimation of concentration of disinfectants used in dirty conditions in hospitals by the Kelsey Sykes Test Modified</li> </ul>
15	Judith Amanyia (A)	<p><b>Micro Biology</b></p> <ul style="list-style-type: none"> <li>• ISO 4833-1:2013, Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 1: Colony count at 30 °C by the pour plate technique</li> <li>• ISO 4833-2:2013, Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 2: Colony count at 30 °C by the surface plating technique</li> <li>• ISO 9308-1:2014, Water quality — Enumeration of Escherichia coli and coliform bacteria — Part 1: Membrane filtration method for waters with low bacterial background flora, Chromogenic Method</li> </ul>

		<ul style="list-style-type: none"> <li>• ISO 9308-2:2012, Water quality — Enumeration of <i>Escherichia coli</i> and coliform bacteria — Part 2: Most probable number method, Chromogenic Method</li> <li>• ISO 21527-1:2008, Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of yeasts and moulds — Part 1: Colony count technique in products with water activity greater than 0,95</li> <li>• ISO 21527-2:2008, Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of yeasts and moulds — Part 2: Colony count technique in products with water activity less than or equal to 0,95</li> <li>• ISO 6888-1:1999/Amd 2:2018, Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coagulase-positive staphylococci (<i>Staphylococcus aureus</i> and other species) — Part 1: Technique using Baird-Parker agar medium — Amendment 2: Inclusion of an alternative confirmation test using RPFA stab method</li> <li>• AOAC official method 967.26-1974, <i>Salmonella</i> in processed foods, Detection Method</li> <li>• AOAC official method 967.25-1970(2003), <i>Salmonella</i> in foods, Preparation of culture media and Reagents.</li> <li>• BS 6905:1987. Method for Estimation of concentration of disinfectants used in dirty conditions in hospitals by the Kelsey Sykes Test Modified</li> </ul>
16	Catherine Nanfuka (A)	<p><b>Micro Biology</b></p> <ul style="list-style-type: none"> <li>• ISO 4833-1:2013, Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 1: Colony count at 30 °C by the pour plate technique</li> <li>• ISO 4833-2:2013, Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 2: Colony count at 30 °C by the surface plating technique</li> <li>• ISO 9308-1:2014, Water quality — Enumeration of <i>Escherichia coli</i> and coliform bacteria — Part 1: Membrane filtration method for waters with low bacterial background flora, Chromogenic Method</li> <li>• ISO 9308-2:2012, Water quality — Enumeration of <i>Escherichia coli</i> and coliform bacteria — Part 2: Most probable number method, Chromogenic Method</li> <li>• ISO 21527-1:2008, Microbiology of food and animal</li> </ul>

		<p>feeding stuffs — Horizontal method for the enumeration of yeasts and moulds — Part 1: Colony count technique in products with water activity greater than 0,95</p> <ul style="list-style-type: none"> <li>• ISO 21527-2:2008, Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of yeasts and moulds — Part 2: Colony count technique in products with water activity less than or equal to 0,95</li> <li>• ISO 6888-1:1999/Amd 2:2018, Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coagulase-positive staphylococci (<i>Staphylococcus aureus</i> and other species) — Part 1: Technique using Baird-Parker agar medium — Amendment 2: Inclusion of an alternative confirmation test using RPFA stab method</li> <li>• AOAC official method 967.26-1974, <i>Salmonella</i> in processed foods, Detection Method</li> <li>• AOAC official method 967.25-1970(2003), <i>Salmonella</i> in foods, Preparation of culture media and Reagents.</li> <li>• BS 6905:1987. Method for Estimation of concentration of disinfectants used in dirty conditions in hospitals by the Kelsey Sykes Test Modified</li> </ul>
17	Sylvia Kyakuwa (A)	<p><b>Micro Biology</b></p> <ul style="list-style-type: none"> <li>• ISO 4833-1:2013, Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 1: Colony count at 30 °C by the pour plate technique</li> <li>• ISO 4833-2:2013, Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 2: Colony count at 30 °C by the surface plating technique</li> <li>• ISO 9308-1:2014, Water quality — Enumeration of <i>Escherichia coli</i> and coliform bacteria — Part 1: Membrane filtration method for waters with low bacterial background flora, Chromogenic Method</li> <li>• ISO 9308-2:2012, Water quality — Enumeration of <i>Escherichia coli</i> and coliform bacteria — Part 2: Most probable number method, Chromogenic Method</li> <li>• ISO 21527-1:2008, Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of yeasts and moulds — Part 1: Colony count technique in products with water activity greater than 0,95</li> <li>• ISO 21527-2:2008, Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of yeasts and moulds — Part 2: Colony count technique in products with water activity less than or equal to 0,95</li> </ul>

		<ul style="list-style-type: none"> <li>• ISO 6888-1:1999/Amd 2:2018, Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) — Part 1: Technique using Baird-Parker agar medium — Amendment 2: Inclusion of an alternative confirmation test using RPFA stab method</li> <li>• AOAC official method 967.26-1974, Salmonella in processed foods, Detection Method</li> <li>• AOAC official method 967.25-1970(2003), Salmonella in foods, Preparation of culture media and Reagents.</li> <li>• BS 6905:1987. Method for Estimation of concentration of disinfectants used in dirty conditions in hospitals by the Kelsey Sykes Test Modified</li> </ul>
18	Patience Agaba (A)	<ul style="list-style-type: none"> <li>• <b>Micro Biology</b></li> <li>• ISO 4833-1:2013, Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 1: Colony count at 30 °C by the pour plate technique</li> <li>• ISO 4833-2:2013, Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 2: Colony count at 30 °C by the surface plating technique</li> <li>• ISO 9308-1:2014, Water quality — Enumeration of Escherichia coli and coliform bacteria — Part 1: Membrane filtration method for waters with low bacterial background flora, Chromogenic Method</li> <li>• ISO 9308-2:2012, Water quality — Enumeration of Escherichia coli and coliform bacteria — Part 2: Most probable number method, Chromogenic Method</li> <li>• ISO 21527-1:2008, Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of yeasts and moulds — Part 1: Colony count technique in products with water activity greater than 0,95</li> <li>• ISO 21527-2:2008, Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of yeasts and moulds — Part 2: Colony count technique in products with water activity less than or equal to 0,95</li> <li>• ISO 6888-1:1999/Amd 2:2018, Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) — Part 1: Technique using Baird-Parker agar medium — Amendment 2: Inclusion of an alternative confirmation test using RPFA stab method</li> </ul>

		<ul style="list-style-type: none"> <li>• AOAC official method 967.26-1974, Salmonella in processed foods, Detection Method</li> <li>• AOAC official method 967.25-1970(2003), Salmonella in foods, Preparation of culture media and Reagents.</li> <li>• BS 6905:1987. Method for Estimation of concentration of disinfectants used in dirty conditions in hospitals by the Kelsey Sykes Test Modified</li> </ul>
19	Catherine Muyama (A)	<p><b>Micro Biology</b></p> <ul style="list-style-type: none"> <li>• ISO 4833-1:2013, Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 1: Colony count at 30 °C by the pour plate technique</li> <li>• ISO 4833-2:2013, Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 2: Colony count at 30 °C by the surface plating technique</li> <li>• ISO 9308-1:2014, Water quality — Enumeration of Escherichia coli and coliform bacteria — Part 1: Membrane filtration method for waters with low bacterial background flora, Chromogenic Method</li> <li>• ISO 9308-2:2012, Water quality — Enumeration of Escherichia coli and coliform bacteria — Part 2: Most probable number method, Chromogenic Method</li> <li>• ISO 21527-1:2008, Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of yeasts and moulds — Part 1: Colony count technique in products with water activity greater than 0,95</li> <li>• ISO 21527-2:2008, Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of yeasts and moulds — Part 2: Colony count technique in products with water activity less than or equal to 0,95</li> <li>• ISO 6888-1:1999/Amd 2:2018, Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coagulase-positive staphylococci (<i>Staphylococcus aureus</i> and other species) — Part 1: Technique using Baird-Parker agar medium — Amendment 2: Inclusion of an alternative confirmation test using RPFA stab method</li> <li>• AOAC official method 967.26-1974, Salmonella in processed foods, Detection Method</li> <li>• AOAC official method 967.25-1970(2003), Salmonella in foods, Preparation of culture media and Reagents.</li> </ul>

		<ul style="list-style-type: none"> <li>• BS 6905:1987. Method for Estimation of concentration of disinfectants used in dirty conditions in hospitals by the Kelsey Sykes Test Modified</li> </ul>
20	John Bosco Byomugabe (A)	<p><b>Micro Biology</b></p> <ul style="list-style-type: none"> <li>• ISO 4833-1:2013, Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 1: Colony count at 30 °C by the pour plate technique</li> <li>• ISO 4833-2:2013, Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 2: Colony count at 30 °C by the surface plating technique</li> <li>• ISO 9308-1:2014, Water quality — Enumeration of Escherichia coli and coliform bacteria — Part 1: Membrane filtration method for waters with low bacterial background flora, Chromogenic Method</li> <li>• ISO 9308-2:2012, Water quality — Enumeration of Escherichia coli and coliform bacteria — Part 2: Most probable number method, Chromogenic Method</li> <li>• ISO 21527-1:2008, Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of yeasts and moulds — Part 1: Colony count technique in products with water activity greater than 0,95</li> <li>• ISO 21527-2:2008, Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of yeasts and moulds — Part 2: Colony count technique in products with water activity less than or equal to 0,95</li> <li>• ISO 6888-1:1999/Amd 2:2018, Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coagulase-positive staphylococci (<i>Staphylococcus aureus</i> and other species) — Part 1: Technique using Baird-Parker agar medium — Amendment 2: Inclusion of an alternative confirmation test using RPFA stab method</li> <li>• AOAC official method 967.26-1974, <i>Salmonella</i> in processed foods, Detection Method</li> <li>• AOAC official method 967.25-1970(2003), <i>Salmonella</i> in foods, Preparation of culture media and Reagents.</li> <li>• BS 6905:1987. Method for Estimation of concentration of disinfectants used in dirty conditions in hospitals by the Kelsey Sykes Test Modified</li> </ul>
<b>Material or products tested</b>	<b>Type of tests/property measured, Range of Measurement</b>	<b>Standard specifications, Techniques/Equipment used</b>

TESTING FIELD - MICROBIOLOGY		
GRAIN, SEED, NUTS & PRODUCTS	TOTAL PLATE COUNT	ISO 4833-1:2013 and ISO 4833-2:2013
Maize Grains	TOTAL COLIFORMS	ISO 9308-1:2014 and ISO 9308-2:2012
Milled Maize	ESCHERICHIA COLI	ISO 9308-1:2014 and ISO 9308-2:2012
Amaranth Grain	STAPHYLOCOCCUS AUREUS	ISO 6888-1:1999/Amd 2:2018
Amaranth Flour	SALMONELLA SPP.	AOAC 967.26-1974
Wheat Flour & Wheat Semolina	YEAST & MOLDS	ISO 21527-1:2008 and ISO 21527-2:2008
Bread		
Biscuits		
Breakfast cereal		
Composite Flour		
Cassava Flour & Starch		
Chia seed		
Dry legumes (Beans, soybean, peas)		
Millet grain		
Rice Flour		
Sesame seeds		
Nuts (groundnuts, macadamia nuts)		
Peanut butter		
Sesame paste		
MEAT & MEAT PRODUCTS	TOTAL PLATE COUNT	ISO 6222:1999
Dressed poultry	TOTAL COLIFORMS	ISO 9308-1:2014 and ISO 9308-2:2012
Bovine carcasses and cuts	ESCHERICHIA COLI	ISO 9308-1:2014 and ISO 9308-2:2012
Corned beef	STAPHYLOCOCCUS AUREUS	ISO 6888-1:1999/Amd 2:2018
Minced meat	SALMONELLA SPP.	AOAC 967.26-1974
Sausages (beef, pork, fish)	ENTEROBACTERICEAE	ISO 21528-1:2017
	LISTERIA MONOCYTOGENES	ISO 11290-1:2017 and ISO 11290-2:2017
	YEAST & MOLDS	ISO 21527-1:2008 and ISO 21527-2:2008
FISH	TOTAL PLATE COUNT	ISO 6222:1999
Fresh fish	TOTAL COLIFORMS	ISO 9308-1:2014 and ISO 9308-2:2012
Dried fish	ESCHERICHIA COLI	ISO 9308-1:2014 and ISO 9308-2:2012
Frozen fish	STAPHYLOCOCCUS AUREUS	ISO 6888-1:1999/Amd 2:2018
Fish fillet	SALMONELLA SPP.	AOAC 967.26-1974
Silver fish	ENTEROBACTERICEAE	ISO 21528-1:2017
Canned fish	LISTERIA MONOCYTOGENES	ISO 11290-1:2017 and ISO 11290-2:2017
	YEAST & MOLDS	ISO 21527-1:2008 and ISO 21527-2:2008
DAIRY PRODUCTS	TOTAL PLATE COUNT	ISO 6222:1999
Skimmed milk	TOTAL COLIFORMS	ISO 9308-1:2014 and ISO 9308-2:2012
Butter & Butter oil	ESCHERICHIA COLI	ISO 9308-1:2014 and ISO 9308-2:2012
Cheese	STAPHYLOCOCCUS AUREUS	ISO 6888-1:1999/Amd 2:2018
Milk powder and cream powder	SALMONELLA SPP.	AOAC 967.26-1974
Fermented milk	ENTEROBACTERICEAE	ISO 21528-1:2017
Pasteurised milk	LISTERIA MONOCYTOGENES	ISO 11290-1:2017 and ISO 11290-2:2017
UHT & Flavoured milk	YEAST & MOLDS	ISO 6611:2004
Ice cream		
Yoghurt		

Raw cow milk		
Raw goat milk		
Ghee		
Creamer		
Milk based baby food		
Infant formula		
<b>CONFECTIONERY &amp; SWEETS</b>	TOTAL PLATE COUNT	ISO 6222:1999
Biscuits	TOTAL COLIFORMS	ISO 9308-1:2014 and ISO 9308-2:2012
Sugar	ESCHERICHIA COLI	ISO 9308-1:2014 and ISO 9308-2:2012
Pastry	STAPHYLOCOCCUS AUREUS	ISO 6888-1:1999/Amd 2:2018
Chocolate & chocolate products	SALMONELLA SPP.	AOAC 967.26-1974
Sweets	YEAST & MOLDS	ISO 21527-1:2008 and ISO 21527-2:2008
Jam and jellies		
<b>DRINKS</b>	TOTAL PLATE COUNT	ISO 6222:1999
Fruit drinks	TOTAL COLIFORMS	ISO 9308-1:2014 and ISO 9308-2:2012
Fruit juices and nectars	ESCHERICHIA COLI	ISO 9308-1:2014 and ISO 9308-2:2012
Kombucha drink	STAPHYLOCOCCUS AUREUS	ISO 6888-1:1999/Amd 2:2018
Bushera	SALMONELLA SPP.	AOAC 967.26-1974
Sugar cane juice	YEAST & MOLDS	ISO 21527-1:2008 and ISO 21527-2:2008
Carbonated & non-carbonated drinks		
<b>WATER &amp; ICE MIXES</b>	TOTAL PLATE COUNT	ISO 6222:1999; Pour plate
Packaged drinking water	TOTAL COLIFORMS	ISO 9308-1:2014; Membrane filtration
Packaged mineral water	ESCHERICHIA COLI	ISO 9308-1:2014 Membrane filtration
Portable water	STAPHYLOCOCCUS AUREUS	ISO 6888-1:1999/Amd 2:2018; Pour plate
Edible ice and ice mixes	SALMONELLA SPP.	AOAC 967.26-1974
	PSEUDOMONAS	ISO 9308-1:2014 and ISO 9308-2:2012
	AERUGINOSA	
	ENTEROBACTERICEAE	ISO 21528-1:2017 and ISO 21528-2:2017
<b>SNACKS</b>	TOTAL PLATE COUNT	ISO 6222:1999
Roasted cashew nuts	TOTAL COLIFORMS	ISO 9308-1:2014 and ISO 9308-2:2012
Cassava crisps	ESCHERICHIA COLI	ISO 9308-1:2014 and ISO 9308-2:2012
Fruits chips & crisps	STAPHYLOCOCCUS AUREUS	ISO 6888-1:1999/Amd 2:2018
Peanut butter	SALMONELLA SPP.	AOAC 967.26-1974
Potato crisps	YEAST & MOLDS	ISO 21527-1:2008 and ISO 21527-2:2008
Food grain snacks		
Sweet potato chips		
<b>FRUIT &amp; VEGETABLE PRODUCTS</b>	TOTAL PLATE COUNT	ISO 4833-1:2013 & ISO 4833-2:2013
Mushrooms	TOTAL COLIFORMS	ISO 9308-1:2014 and ISO 9308-2:2012
Dried fruits	ESCHERICHIA COLI	ISO 9308-1:2014 and ISO 9308-2:2012
Dried tomatoes	STAPHYLOCOCCUS AUREUS	ISO 6888-1:1999/Amd 2:2018
Fruit juice and fruit nectars	SALMONELLA SPP.	AOAC 967.26-1974
Banana flour	YEAST & MOLDS	ISO 21527-1:2008 and ISO 21527-2:2008
Plantain		
<b>HONEY</b>	TOTAL PLATE COUNT	ISO 4833-1:2013/AMD 1:2022
<b>EGGS</b>	TOTAL PLATE COUNT	ISO 4833-1:2013/AMD 1:2022
<b>Edible eggs in shell</b>	TOTAL COLIFORMS	ISO 9308-1:2014 and ISO 9308-2:2012

Liquid pasteurised eggs(whole, white, yolk)	ESCHERICHIA COLI STAPHYLOCOCCUS AUREUS SALMONELLA SPP. YEAST & MOLDS	ISO 9308-1:2014 and ISO 9308-2:2012 ISO 6888-1:1999/Amd 2:2018 AOAC 967.26-1974 ISO 21527-1:2008 and ISO 21527-2:2008
SPICES Chilli peppers Curry powder Tea masala Pilau masala	TOTAL PLATE COUNT	ISO 6222:1999
	TOTAL COLIFORMS	ISO 9308-1:2014 and ISO 9308-2:2012
	ESCHERICHIA COLI	ISO 9308-1:2014 and ISO 9308-2:2012
	STAPHYLOCOCCUS AUREUS	ISO 6888-1:1999/Amd 2:2018
	SALMONELLA SPP.	AOAC 967.26-1974
	YEAST & MOLDS	ISO 21527-1:2008 and ISO 21527-2:2008
TEA Black tea Green tea Flavoured tea	TOTAL PLATE COUNT	ISO 4833-1:2013/AMD 1:2022
	TOTAL COLIFORMS	ISO 9308-1:2014 and ISO 9308-2:2012
	ESCHERICHIA COLI	ISO 9308-1:2014 and ISO 9308-2:2012
	STAPHYLOCOCCUS AUREUS	ISO 6888-1:1999/Amd 2:2018
	SALMONELLA SPP.	AOAC 967.26-1974
	YEAST & MOLDS	ISO 21527-1:2008 and ISO 21527-2:2008
COFFEE Instant coffee Green coffee beans Roasted coffee beans Ground coffee Coffee & coffee products	TOTAL COLIFORMS	ISO 9308-1:2014 and ISO 9308-2:2012
	ESCHERICHIA COLI	ISO 9308-1:2014 and ISO 9308-2:2012
	STAPHYLOCOCCUS AUREUS	ISO 6888-1:1999/Amd 2:2018
	SALMONELLA SPP.	AOAC 967.26-1974
	YEAST & MOLDS	ISO 21527-1:2008 and ISO 21527-2:2008
	TOTAL PLATE COUNT	ISO 6222:1999
ALCOHOLIC DRINKS Wine Opaque beer Tonto	TOTAL COLIFORMS	ISO 9308-1:2017
	ESCHERICHIA COLI	ISO 9308-1:2014 and ISO 9308-2:2012
	STAPHYLOCOCCUS AUREUS	ISO 6888-1:1999/Amd 2:2018
	SALMONELLA SPP.	AOAC 967.26-1974
	YEAST & MOLDS	ISO 21527-1:2008 and ISO 21527-2:2008
	TOTAL PLATE COUNT	ISO 21149:2017
COSMETICS Petroleum jelly Bath preparations: synthetic detergent based Body oils Hair creams, lotions, gels Pomade and brilliantine Skin care creams, lotions, gels Shea butter for cosmetic use Lip balm, gloss, lipstick Hair shampoo Shower gels Handwash gels	STAPHYLOCOCCUS AUREUS	ISO 6888-1:1999/Amd 2:2018
	YEAST & MOLD	ISO 16212:2017
	PSEUDOMONAS AERUGINOSA	ISO 11290-1 :2017 & ISO 11290-2 :2017
	TOTAL PLATE COUNT	ISO 21149:2017
	STAPHYLOCOCCUS AUREUS	ISO 6888-1:1999/Amd 2:2018
	YEAST & MOLDS	ISO 16212:2017
	PSEUDOMONAS AERUGINOSA	ISO 11290-1 :2017 & ISO 11290-2 :2017
	ESCHERICHIA COLI	ISO 9308-1:2014 and ISO 9308-2:2012
	SALMONELLA SPP.	AOAC 967.26-1974 and AOAC 967.25-1970(2003)
	BIO-BURDEN	EN 14683:2019.
TISSUE Facial tissue Toilet paper (Virgin tissue, blended tissue, recycled tissue) Sanitary towels	TOTAL PLATE COUNT	ISO 21149:2017
	STAPHYLOCOCCUS AUREUS	ISO 6888-1:1999/Amd 2:2018
	YEAST & MOLDS	ISO 16212:2017
	PSEUDOMONAS AERUGINOSA	ISO 11290-1 :2017 & ISO 11290-2 :2017
	ESCHERICHIA COLI	ISO 9308-1:2014 and ISO 9308-2:2012
ANIMAL FEEDS Bone meal for compounding animal feeds	SALMONELLA SPP.	AOAC 967.26-1974 and AOAC 967.25-1970(2003)

Dried insects for compounding animal feeds (whole insects or ground)		
ANTI-BACTERIAL DETERGENTS & HAND-WASHES	BACTERIACIDAL EFFICACY	BS 6905:1987, Kelsey Sykes Test
INSTANT HAND SANITISER	BACTERIACIDAL EFFICACY	BS 6905:1987, Kelsey Sykes Test
<b>TESTING FIELD - CHEMISTRY</b>		
FORTIFIED FLOUR	VITAMIN A	AOAC 2001.13-2011
	IRON	AOAC 999.11-2005(2006)
	ZINC	AOAC 999.11-2005(2006)
	MOISTURE CONTENT	ISO 712:2009
	PROTEIN CONTENT	AOAC 920.87-1920,
	FAT CONTENT	ISO 11085:2015
	ASH CONTENT	AOAC 923.03-1923
	CARBOHYDRATES	AOAC 986.25-1988(2002), By Difference
	CRUDE FIBRE	ISO 5498:1981
	TOTAL ENERGY	ISO 9831:1998
WATERS	CHLORIDE	ISO 9297:1989
	MINERALS	ISO 6332:1988, ISO 8288:1986, ISO 7980:1986
	TOTAL HARDNESS	ISO 6059:1984
	CALCIUM HARDNESS	ISO 7980:1986
	TOTAL DISSOLVED SOLIDS	ASTM D 5907:2018
	PH	ISO 10523:2008
EDIBLE OIL	ELECTROCONDUCTIVITY	ISO 7887:2011
	VITAMIN A	AOAC 2001.13-2011
	PEROXIDE VALUE	ISO 3960:2017
	ACID VALUE	ISO 660:2020
	IODINE VALUE	ISO 3961:2018
	MOISTURE AND VOLATILE MATTER	ISO 662:2016
EDIBLE SALT (FORTIFIED)	HEAVY METALS	ISO 8294:1994, AOAC 994.02-1994(2000), ISO 2590:1973
	IODINE	AOAC 925.56-1925
	MOISTURE CONTENT	ISO 2483:1973
	CHLORIDE AS NaCl	ISO 2479:1972
	MATTER INSOLUBLE IN WATER	ISO 2479:1972
CEREAL FOODS AND PULSES	HEAVY METALS	AOAC 999.11-2005(2006)
	CARBOHYDRATES	AOAC 986.25-1988(2002), By Difference
	MOISTURE CONTENT	ISO 712:2009
	PROTEIN CONTENT	AOAC 920.87-1920
	FAT CONTENT	ISO 11085:2015
	ASH CONTENT	AOAC 923.03-1923
	CRUDE FIBRE	ISO 5498:1981
YOGHURT	TOTAL ENERGY	ISO 9831:1998
	MOISTURE CONTENT	ISO 5550:2006 [IDF 78:2006]
	PROTEIN CONTENT	ISO 8968-4:2016
	MILK FAT CONTENT	ISO 2446:2008
	ASH CONTENT	AOAC 923.03-1923
	HEAVY METAL(LEAD)	AOAC 999.10-2005
		pH ISO 5546:2010 [IDF 115:2010]

	TITRATABLE ACIDITY	AOAC 947.05-1947
	MILK SOLID NON-FAT	ISO 6731:2010
	CARBOHYDRATES	AOAC 986.25-1988(2002),By Difference
UHT MILK	pH VARIATION	ISO 5546:2010 [IDF 115:2010]
	TITRATABLE ACIDITY VARIATION	AOAC 947.05-1947
	DENSITY	AOAC 925.22-1925
	MILK SOLID NON-FAT	ISO 6731:2010
	MILK FAT CONTENT	ISO 2446:2008
	LEAD	AOAC 999:10-2005
	PROTEIN CONTENT	ISO 8968-4:2016
RAW COW MILK	pH	ISO 5546:2010 [IDF 115:2010]
	TITRATABLE ACIDITY	AOAC 947.05-1947
	DENSITY	AOAC 925.22-1925
	MILK SOLID NON-FAT	ISO 6731:2010
	MILK FAT CONTENT	ISO 2446:2008
	LEAD	AOAC 999:10-2005
RAW GOAT MILK	pH	ISO 5546:2010 [IDF 115:2010]
	TITRATABLE ACIDITY	AOAC 947.05-1947
	DENSITY	AOAC 925.22-1925
	MILK SOLID NON-FAT	ISO 6731:2010
	MILK FAT CONTENT	ISO 2446:2008
	PROTEIN CONTENT	ISO 8968-1:2016
	LEAD	AOAC 999:10-2005
DAIRY ICE CREAM	MILK FAT CONTENT	ISO 2446:2008
	MILK SOLID NON-FAT	ISO 6731:2010
	LEAD	AOAC 999:10-2005
	PROTEIN CONTENT	ISO 8968-4:2016
	pH	ISO 5546:2010 [IDF 115:2010]
MILK POWDER	PROTEIN CONTENT	ISO 8968-4:2016
	MOISTURE CONTENT	ISO 5537:2004
	FAT CONTENT	ISO 1736:2008
	ASH CONTENT	AOAC 923.03-1923
	TITRATABLE ACIDITY	ISO 6091:2010
	LEAD	AOAC 999:11-2005(2006)
	CARBOHYDRATES	AOAC 986.25-1988(2002),By Difference
GHEE	MOISTURE CONTENT	ISO 3727-1:2001
	FAT CONTENT	ISO 3727-3:2003
	MELTING POINT	ISO 6321:2021
	PEROXIDE VALUE	ISO 3960:2017
	REFRACTIVE INDEX	ISO 6320:2017
	FREE FATTY ACID	ISO 660:2020
	INSOLUBLE IMPURITIES	ISO 663:2017
	COPPER	AOAC 999:10-2005
	LEAD	AOAC 999:10-2005
	IRON	AOAC 999:10-2005
	PROTEIN CONTENT	ISO 8968-1:2014
BUTTER	MOISTURE CONTENT	ISO 3727-1:2001
	FAT CONTENT	ISO 17189:2003
	REFRACTIVE INDEX	ISO 6320:2017
	FREE FATTY ACID	ISO 660:2020
	MILK SOLID NON-FAT	ISO 6731:2010
	PROTEIN CONTENT	ISO 8968-1:2014

	LEAD	AOAC 999:10-2005
CHEESE	FAT CONTENT	ISO 3727-3:2003
	PROTEIN CONTENT	ISO 8968-1:2014
	MOISTURE CONTENT	ISO 5534:2004
	CARBOHYDRATES	AOAC 986.25-1988(2002),By Difference
	MELTING POINT	ISO 6321:2021
	MOISTURE CONTENT	ISO 1442:1997
DRIED MEAT	PROTEIN CONTENT	ISO 937:1978
	FAT CONTENT	ISO 1443:1973
	ASH CONTENT	ISO 936:1998
	CARBOHYDRATES	AOAC 986.25-1988(2002),By Difference
	CRUDE FIBRE	ISO 5498:1981
	TOTAL ENERGY	ISO 9831:1998
	MINERALS	AOAC 999:11-2005(2006)
	MOISTURE CONTENT	ISO 1442:1997
MEAT SAUSAGES	PROTEIN CONTENT	ISO 937:1978
	FAT CONTENT	ISO 1443:1973
	ASH CONTENT	ISO 936:1998
	CARBOHYDRATES	AOAC 986.25-1988(2002),By Difference
	CRUDE FIBRE	ISO 5498:1981
	TOTAL ENERGY	ISO 9831:1998
	MINERALS	AOAC 999:11-2005(2006)
	ETHYL ALCOHOL	EAS 104:2014
ALCOHOLIC BEVERAGES (VODKA, GIN, STILL TABLE WINE, WHISKY, LIQUEUR)	TOTAL ACIDS	EAS 104:2014
	TOTAL SOLIDS	EAS 104:2014
	VOLATILE ACIDS	EAS 104:2014
	ESTERS	EAS 104:2014
	FURFURAL	EAS 104:2014
	ALDHYDES	EAS 104:2014
	TOTAL FATTY SUBSTANCE	ISO 685:2020
COSMETICS (SKIN CARE CREAMS, LOTIONS AND GELS, HAIR CREAMS, HAIR RELAXERS, HAIR FOODS, HAIR SHAMPOO AND PETROLUEM JELLY)	PH	ISO 4316:1977
	RANCIDITY	EAS 847-13:2017
	TOTAL FREE ALKALI	ISO 684:1974
	THERMAL STABILITY	ASTM D 3707-89(1999)
	ORGANIC ACIDS	Annex E of US 191:2021
	SULPHATED ASH	ISO 3987:2010
	HEAVY METALS	EAS 847-16:2017
	TOTAL FATTY MATTER	ISO 685:2020
SOAPS (TOILET, ANTIBACTERIAL, LAUNDRY, POWDERED SAOD, HERBAL AND BATHING)	MATTER INSOLUBLE IN ALCOHOL	ISO 673:1981
	TOTAL FREE ALKALI	ISO 684:1974
	FREE CAUSTIC ALKALI	ISO 456:1973
	CHOLIDE CONTENT	ISO 457:1983
	MOISURE AND VOLATILES	ISO 672:1978
	VITAMIN C	AOAC 967.22-1968
FRUIT PRODUCTS AND EXTRACTS, CARBONATED AND NON-CARBONATED SOFT DRINKS	ETHANOL CONTENT	ISO 2448:1998
	SUGAR CONTENT(BRIX)	ISO 2173:2003
	TITRATABLE ACIDITY	AOAC 942.15-1965
	PHYSICAL EXAMINATION	AOAC 930.19-1930
	ACID INSOLUBLE ASH	ISO 763:2003
	HEAVY METALS	AOAC 999:11-2005(2006)
	MOISTURE	ISO 11294:1994

COFFEE	TOTAL ASH	ISO 1575:1987
	ACID INSOLUBLE ASH	ISO 1577:1987
	ALKALINITY	ISO 1578:1975
	WATER SOLUBLE MATTER	ISO 9768:1994
	WATER SOLUBLE ASH	ISO 1576:1988
TEA, (BLACK & GREEN TEA)	MOISTURE	ISO 1573:1980
	TOTAL ASH	ISO 1575:1987
	ACID INSOLUBLE ASH	ISO 1577:1987
	ALKALINITY	ISO 1578:1975
	WATER EXTRACT	ISO 9768:1994
	WATER SOLUBLE ASH	ISO 1576:1988
	CRUDE FIBRE	ISO 15598:1999
CATTLE FEEDS	MOISTURE CONTENT	ISO 6496:1999
	PROTEIN CONTENT	ISO 5983-1:2005
	FAT CONTENT	AOAC 920.85-1920
	ASH CONTENT	AOAC 923.03-1923
	CARBOHYDRATES	AOAC 986.25-1988(2002), By Difference
	CRUDE FIBRE	ISO 5498:1981
	TOTAL ENERGY	ISO 9831:1998
	MINERALS	AOAC 999:11-2005(2006)
	TOTAL SODIUM CHLORIDE	ISO 6495:1999
	TOTAL PHOSPHORUS	ISO 6491:1998
	VITAMIN A	AOAC 2001.13-2011
	VITAMIN E	AOAC 982.29-1983
	MOISTURE CONTENT	ISO 6496:1999
CAT FEEDS	PROTEIN CONTENT	ISO 5983-1:2005
	FAT CONTENT	AOAC 920.85-1920
	ASH CONTENT	AOAC 923.03-1923
	CARBOHYDRATES	AOAC 986.25-1988(2002), By Difference
	CRUDE FIBRE	ISO 5498:1981
	TOTAL ENERGY	ISO 9831:1998
	MINERALS	AOAC 999:11-2005(2006)
	TOTAL SODIUM CHLORIDE	ISO 6495:1999
	TOTAL PHOSPHORUS	ISO 6491:1998
	VITAMIN A	AOAC 2001.13-2011
	VITAMIN E	AOAC 982.29-1983
DAIRY CATTLE FEED PREMIX	MOISTURE CONTENT	ISO 6496:1999
	PROTEIN CONTENT	ISO 5983-1:2005
	FAT CONTENT	AOAC 920.85-1920
	ASH CONTENT	AOAC 923.03-1923
	CARBOHYDRATES	AOAC 986.25-1988(2002), By Difference
	CRUDE FIBRE	ISO 5498:1981
	TOTAL ENERGY	ISO 9831:1998
	MINERALS	AOAC 999:11-2005(2006)
	VITAMIN A	AOAC 2001.13-2011
	VITAMIN E	AOAC 982.29-1983
COMPOUNDED POULTRY FEEDS	MOISTURE CONTENT	ISO 6496:1999
	PROTEIN CONTENT	ISO 5983-1:2005
	FAT CONTENT	AOAC 920.85-1920
	ASH CONTENT	AOAC 923.03-1923
	CARBOHYDRATES	AOAC 986.25-1988(2002), By Difference
	CRUDE FIBRE	ISO 5498:1981
	METABOLIZABLE ENERGY	ISO 9831:1998

	TOTAL CALCIUM	ISO 6490-1:1985
	TOTAL SODIUM CHLORIDE	ISO 6495:1999
	TOTAL PHOSPHORUS	ISO 6491:1998
	VITAMIN A	AOAC 2001.13-2011
DOG FEEDS	MOISTURE CONTENT	ISO 6496:1999
	PROTEIN CONTENT	ISO 5983-1:2005
	FAT CONTENT	AOAC 920.85-1920
	ASH CONTENT	AOAC 923.03-1923
	CARBOHYDRATES	AOAC 986.25-1988(2002), By Difference
	CRUDE FIBRE	ISO 5498:1981
	METABOLIZABLE ENERGY	ISO 9831:1998
	TOTAL CALCIUM	ISO 6490-1:1985
	TOTAL SODIUM CHLORIDE	ISO 6495:1999
	TOTAL PHOSPHORUS	ISO 6491:1998
	VITAMIN A	AOAC 2001.13-2011
	VITAMIN E	AOAC 982.29-1983
BONR MEAL FOR COMPOUNDING ANIMAL FEEDS	MOISTURE CONTENT	ISO 6496:1999
	PROTEIN CONTENT	ISO 5983-1:2005
	FAT CONTENT	AOAC 920.85-1920
	ASH CONTENT	AOAC 923.03-1923
	ACID INSOLUBLE ASH	ISO 5985:2002
	TOTAL CALCIUM	ISO 6490-1:1985
	TOTAL PHOSPHORUS	ISO 6491:1998
GOAT & SHEEP FEEDS	MOISTURE CONTENT	ISO 6496:1999
	PROTEIN CONTENT	ISO 5983-1:2005
	FAT CONTENT	AOAC 920.85-1920
	ASH CONTENT	AOAC 923.03-1923
	ACID INSOLUBLE ASH	ISO 5985:2002
	FREE FATTY ACID	ISO 7305:2019
MAIZE BRAN AS LIVESTOCK FEEDS	MOISTURE CONTENT	ISO 6496:1999
	PROTEIN CONTENT	ISO 5983-1:2005
	FAT CONTENT	AOAC 920.85-1920
	ASH CONTENT	AOAC 923.03-1923
	ACID INSOLUBLE ASH	ISO 5985:2002
	FREE FATTY ACID	ISO 7305:2019
OIL-SEED CAKE FOR COMPOUNDING LIVESTOCK FEEDS	MOISTURE CONTENT	ISO 6496:1999
	PROTEIN CONTENT	ISO 5983-1:2005
	FAT CONTENT	AOAC 920.85-1920
	ASH CONTENT	AOAC 923.03-1923
	ACID INSOLUBLE ASH	ISO 5985:2002
	FREE FATTY ACID	ISO 7305:2019
	CRUDE FIBRE	ISO 6865:2000
RABIT FEEDS	MOISTURE CONTENT	ISO 6496:1999
	PROTEIN CONTENT	ISO 5983-1:2005
	FAT CONTENT	AOAC 920.85-1920
	ASH CONTENT	AOAC 923.03-1923
	ACID INSOLUBLE ASH	ISO 5985:2002
	TOTAL CALCIUM	ISO 6490-1:1985
	TOTAL PHOSPHORUS	ISO 6491:1998
	TOTAL SODIUM CHLORIDE	ISO 6495:1999
	IRON	AOAC 999:11-2005(2006)
	ZINC	AOAC 999:11-2005(2006)

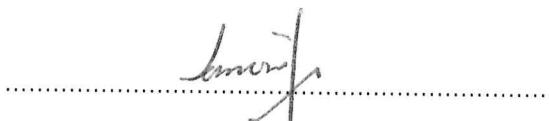
HONEY	MOISTURE	AOAC 969.38-1969
	TOTAL ASH	AOAC 920.181-1920
	TOTAL WATER INSOLUBLE	MAFF Validated Method V22
	SOLUBLE SOLIDS	ISO 2173:2003
	ELECTRICAL CONDUCTIVITY	ICUMSA GS 2/3-17
	MINERALS	AOAC 999:11-2005(2006)
DRIED & SALTED DRIES FISH	MOISTURE CONTENT	ISO 6496:1999
	PROTEIN CONTENT	ISO 5983-1:2005
	FAT CONTENT	AOAC 920.85-1920
	ASH CONTENT	AOAC 923.03-1923
	CARBOHYDRATES	AOAC 986.25-1988(2002), By Difference
	CRUDE FIBRE	ISO 5498:1981
	MINERALS	AOAC 999:11-2005(2006)
	TOTAL ENERGY	ISO 9831:1998
	ACID INSOLUBLE ASH	ISO 5985:2002
	SODIUM CHLORIDE	ISO 6495:1999
DRIED FISH- SILVER CYPRINID	MOISTURE CONTENT	ISO 6496:1999
	PROTEIN CONTENT	ISO 5983-1:2005
	FAT CONTENT	AOAC 920.85-1920
	ASH CONTENT	AOAC 923.03-1923
	CARBOHYDRATES	AOAC 986.25-1988(2002), By Difference
	CRUDE FIBRE	ISO 5498:1981
	MINERALS	AOAC 999:11-2005(2006)
	TOTAL ENERGY	ISO 9831:1998
	ACID INSOLUBLE ASH	ISO 5985:2002
	MOISTURE CONTENT	ISO 6496:1999
FROZEN FISH FILLETS	PROTEIN CONTENT	ISO 5983-1:2005
	FAT CONTENT	AOAC 920.85-1920
	ASH CONTENT	AOAC 923.03-1923
	CARBOHYDRATES	AOAC 986.25-1988(2002), By Difference
	CRUDE FIBRE	ISO 5498:1981
	MINERALS	AOAC 999:11-2005(2006)
	MOISTURE CONTENT	ISO 6496:1999
	PROTEIN CONTENT	ISO 5983-1:2005
	FAT CONTENT	AOAC 920.85-1920
	TOTAL ASH CONTENT	AOAC 923.03-1923
FISHMEAL	CARBOHYDRATES	AOAC 986.25-1988(2002), By Difference
	CALCIUM	ISO 6490-1:1985
	PHOSPHORUS	ISO 6491:1998
	SODIUM CHLORIDE	ISO 6495:1999
	MOISTURE CONTENT	ISO 6496:1999
	PROTEIN CONTENT	ISO 5983-1:2005
	FAT CONTENT	AOAC 920.85-1920
	ASH CONTENT	AOAC 923.03-1923
	CARBOHYDRATES	AOAC 986.25-1988(2002), By Difference
	CRUDE FIBRE	ISO 5498:1981
SMOKED FISH, SMOKE FLAVOURED & SMOKE DRIED FISH	MINERALS	AOAC 999:11-2005(2006)
	MATTER INSOLUBLE IN ALCOHOL	ISO 673:1981
	PH VALUE RANGE	ISO 4316:1977
	TOTAL SURFACE ACTIVE MATTER CONTENT	ISO 2268:1972
	INORGANIC SALTS CONTENT	ISO 2268:1972

	RINSING PROPERTIES	ISO 7535:1984
	TOTAL FATTY MATTER	ISO 685:2020
	FREE CAUSTIC ALKALI AS 1<20	ISO 456:1973
TOMATO PRODUCTS (TOMATO SAUCE AND KETCHUP)	TOTAL SOLUBLE SOLIDS	AOAC 970.59-1973
	SPECIFIC GRAVITY	Annex A of US EAS 66-2:2017
	pH	ISO 1842:1991
	SODIUM CHLORIDE	AOAC 971.27-1976
INSTANT HAND SANITIZER	ALCOHOL CONTENT	AOAC 942.06-1942
	pH	ISO 10523:2008
NITROGEN, PHOSPHORUS & POTASSIUM (NPK)COMPOUND FERTILIZER	LEAD	ISO 17318:2015
	ARSENIC	ISO 17318:2015
	CADMIUM	ISO 17318:2015
	IRON	ISO 17318:2015
	CALCIUM	ISO 17318:2015
	ZINC	ISO 17318:2015
	CHROMIUM	AOAC 2006.03-2009
	MAGNESSIUM	AOAC 2006.03-2009
	MANGANESE	AOAC 2006.03-2009
	COPPER	ISO 11047:1998
ORGANIC FERTILIZER (SOLID)	MOISTURE CONTENT	AOAC 965.08-1974
	pH	ISO 10390:2005
	LEAD	ISO 17318:2015
	ARSENIC	ISO 17318:2015
	CADMIUM	ISO 17318:2015
	COPPER	ISO 11047:1998
	CHROMIUM	ISO 17318:2015
ORGANIC FERTILIZER (LIQUID)	pH	ISO 10390:2005
	LEAD	ISO 17318:2015
	ARSENIC	ISO 17318:2015
	CADMIUM	ISO 17318:2015
	COPPER	ISO 11047:1998
	CHROMIUM	ISO 17318:2015
BIOFERTILIZER ( SOLID)	MOISTURE CONTENT	AOAC 965.08-1974
	pH	ISO 10390:2005
BIOFERTILIZER ( LIQUID)	pH	ISO 10390:2005
	MOISTURE CONTENT	AOAC 965.08-1974
ORGANIC-INORGANIC COMPOUND FERTILIZER (SOLID)	pH	ISO 10390:2005
	LEAD	ISO 17318:2015
	ARSENIC	ISO 17318:2015
	CADMIUM	ISO 17318:2015
	COPPER	ISO 11047:1998
	CHROMIUM	ISO 17318:2015
ORGANIC-INORGANIC COMPOUND FERTILIZER (PELLETIZED)	MOISTURE CONTENT	AOAC 965.08-1974
	pH	ISO 10390:2005
	LEAD	ISO 17318:2015
	ARSENIC	ISO 17318:2015
	CADMIUM	ISO 17318:2015
	COPPER	ISO 11047:1998
	CHROMIUM	ISO 17318:2015
ORGANIC-INORGANIC	pH	ISO 10390:2005

COMPOUND FERTILIZER (LIQUID)	LEAD	ISO 17318:2015
	ARSENIC	ISO 17318:2015
	CADMIUM	ISO 17318:2015
	COPPER	ISO 11047:1998
	CHROMIUM	ISO 17318:2015
CALCIUM AMMONIUM NITRATE FERTILIZER	MOISTURE CONTENT	ISO 10390:2005
	CALCIUM	ISO 17318:2015
	LEAD	ISO 17318:2015
	ARSENIC	ISO 17318:2015
	CADMIUM	ISO 11047:1998
UREA FERTILIZER	CHROMIUM	ISO 17318:2015
	MOISTURE CONTENT	AOAC 965.08-1974
	LEAD	ISO 17318:2015
	ARSENIC	ISO 17318:2015
	CADMIUM	ISO 17318:2015
MONOAMMONIUM PHOSPHATE(MAP) FERTILIZER	MOISTURE CONTENT	AOAC 965.08-1974
	LEAD	ISO 17318:2015
	ARSENIC	ISO 17318:2015
	CADMIUM	ISO 17318:2015
	WATER SOLUBLE PHOSPHATE AS P <sub>2</sub> O <sub>5</sub>	AOAC 978.01-1980
	AVAILABLE PHOSPHATE AS P <sub>2</sub> O <sub>5</sub>	AOAC 978.01-1980

ISSUED BY

UGANDA NATIONAL BUREAU OF STANDARDS



MANAGER CERTIFICATION DEPARTMENT

