



Issue 01 April-June 2020

# Standards

# BULLETIN



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# Executive Director's foreword

**Dear reader,** I welcome you to the last issue of the Standards Bulletin as we end financial year 2019/20. I must note that the year has presented unprecedented challenges that have made us rethink the way we do business. However, we have used this crisis to harness opportunities for business who are seeking certification.



*Eng. Dr. Ben Manyindo, Executive Director of Uganda National Bureau of Standards*



In the wake of Covid-19, Uganda National Bureau of Standards (UNBS) has facilitated local manufacturers in line with the Buy Uganda and Build Uganda (BUBU) policy through offering technical guidance and standards for sanitisers, disinfectants and non-medical facemasks free of charge to ensure production of safe and good quality sanitizers and disinfectants for all Ugandans.

To date, UNBS has certified more than 136 companies producing 182 brands of sanitizers and 35 companies producing Non Medical facemasks.

The pandemic crisis highlights the importance of food and health sectors and the need for manufacturers to provide the highest quality of their products. UNBS worked closely with officials from the Office of the Prime Minister (OPM) to conduct quality checks of the Covid-19 relief food to ensure that Ugandans get good quality food with 77% and 79% standards compliance rates

for maize flour and beans respectively as of May 2020.

Uganda is uniquely positioned to further leverage its rich agricultural resources through value addition in agro-processing. I urge manufacturers to seek the services of UNBS to strengthen their respective sectors as the coming financial year will see UNBS strengthening its capacity to fight substandard products on the market.

As we embrace the digital age and adopt more and more digital technologies for both productions and services, such as e-commerce, retailing, and learning as well as public services, it is imperative that these service providers adopt quality management systems to ensure business continuity and excellent service delivery. The sectors with high-level of digitisation and standardised services will inevitably weather the storm much better

To boost the intra-regional trade, African countries need to make concerted efforts to harmonize their trade-related regulations, customs controls, and reduce both tariff and non-tariff barriers.

This year, UNBS developed 505 Standards in the area of Food and agriculture (110), Engineering (125), Chemicals and consumer products (149) and Management and services (121).

The standards developed are in line with the National Development Plan III, the National Standards strategy and the emerging technological and business dynamics.

Finally, I take this opportunity to thank the team at UNBS for accomplishing the targets that were set for the year, the National Standards Council for steering the organization to this success and the Minister of Trade, Industry and Cooperatives for her continuous support to standards work.

I am also grateful to our Development Partners and all stakeholders for the unwavering support and efforts to embrace quality products.

UNBS is committed to continue developing, promoting and enforcing standards in protection of public health and safety, and the environment.

**For God and My Country**  
**Eng. Dr. Ben Manyindo**



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## ABOUT UNBS

1. A member of International Standardisation Organisation(ISO)
2. Associate member of the International Electrotechnical Commission
3. National Enquiry Point for Technical Barriers to Trade(TBT) and Sanitary and Phytosanitary (SPS) measures. Agreements of World Trade Organisation(WTO) and secretariat to the National TBT/SPS Committee
4. Codex Alimentarius Commission Contact Point and Secretariate to the National Codex Committee
5. International Accredited laboratories by South African National Accreditation System. to offer ISO 90019(Quality Management System) and ISO 22000(Food Safety Management System)
6. A member of African Organisation for Standardisation(ARSO)
7. A member of International Organization of Legal Metrology (OIML)
8. A member of The International Bureau of Weights and Measures
9. coordinator for the East African Community(EAC) SQMT activities

# Editor's note



**STANDARDS. The standards agency which is charged with the responsibility to protect the health and safety of consumers tested all the relief food in its modern food testing laboratory in Bweyogerere.**

offered technical guidance and standards of sanitisers and disinfectants free of charge to new sanitizer and disinfectant manufacturers to assist them in the production of safe and good quality sanitizers and disinfectants, in the wake of COVID-19. As of end of June, 136 companies producing 182 brands of sanitizers were certified, making it able to meet the demand of certified sanitizers and disinfectants to curb the spread of the pandemic.

UNBS is also giving out free non medical mask standards to aid certification of facemask manufacturers and mass production of non-medical facemasks that meet the national standards.

UNBS has also developed 505 standards in the area of food and agriculture, engineering, chemical and consumer products, management and services. All these standards are in line with the National Development Plan III area on increasing production and productivity.

We hope that this Standards Bulletin will add value to your information base, especially in fighting coronavirus and eliminating substandard products on the market.

**Kirabo Sylvia**  
**Head, Public Relations and Marketing**

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# UNBS anti-coronavirus interventions paying off

**LATE LAST YEAR**, the world was hit by Covid-19 pandemic. The disease spreads so fast through droplet infection that can be transferred from one person to another through sneezing, coughing, human to human contact and contact with contaminated surfaces. This called for stringent measures to curb the spread of Covid-19.

Like other countries, Uganda too underwent a lockdown on 18th March 2020 to curb crowds through which Covid-19 would have spread like a wild fire. The government ensured that social distancing is exercised at all times, washing of hands with sanitizers or soap and water is done, wearing of facemasks by all Ugandans in public and food too was distributed to those whose jobs were brought to a halt.

## UNBS interventions

Offering technical assistance, sanitizers' and disinfectants' standards free of charge

One of the measures to curb the spread of Covid-19 is to wash hands with an alcohol-based sanitizer and disinfecting surfaces as often as possible. However, before the lockdown Uganda had only two certified sanitiser companies (UNBS) intervened and offered technical guidance and standards of sanitisers and disinfectants free of charge to new sanitizer and disinfectant manufacturers to assist them in the production of safe and good quality sanitizers and disinfectants, in the wake of COVID-19.

## Sanitizers

136

Companies

182

Brands

## Facemasks

45

Companies

48

Brands

## Key standards in Covid-19 fight

1. US EAS 789: 2013, Instant hand sanitizers — Specification
2. US 1625:2015, Anti-bacterial and Anti-viral instant hand sanitizers— Specification
3. US 1693:2017, Disinfectants/ sanitizers — Specification
4. US 1709:2017, Disinfectants/ sanitizers based on iodophors — Specification
5. US 1710:2017, Disinfectants/ sanitizers based on glutaraldehyde for general use — Specification
6. US EAS 812-1:2015, Liquid hand wash — Specification — Part 1: Synthetic and combined (soap and synthetic) hand wash.
7. US 2252:2020, non-medical masks specifications.

As of end of June, 136 companies producing 182 brands of sanitizers were certified, making it able to meet the demand of certified sanitizers and disinfectants to curb the spread of the Covid-19 pandemic. Giving out non-medical facemask standards free of charge.

The frequent use of facemasks is another measure put forward by the government in the wake of Covid-19. Putting on a facemask became mandatory for everyone above the age of 6 years in public space to curb the spread of the virus. This led to an exponential increase in demand for face masks, yet there were no companies producing facemasks in Uganda.

UNBS issued three (3) new standards for facemasks and called upon manufacturers interested in making facemasks to seek certification

of their products to ensure that they meet the national quality standards.

The UNBS intervention saw certified facemask manufacturers increase to 45 as of June 8, 2020, to meet the increased demand.

UNBS approved three facemask standards (specifications) and five test methods for use. The three standards (specifications) approved include;

1. **Respiratory protective devices** – Filtering half masks to protect against particles, requirements, testing, and marking.
2. **Medical face masks** requirements and test methods
3. **Non-medical masks**- specification

Additionally five (5) ISO test methods were adopted to support the quality assurance of the standards.

Two facemask standards; Respiratory protective devices and Medical facemasks are mandatory and can be accessed via <https://webstore.unbs.go.ug>

The Non-medical mask standards (voluntary), were given out by UNBS at no fee to allow for homemade non-medical masks to be used, in parallel to the medical masks. UNBS advised manufacturers interested in making non-medical face masks to seek certification using the voluntary standard.

For importers the enforcement of the mandatory facemask and respiratory protective devices standards became applicable to all shipments with Bill of Lading date 8th June 2020 and thereafter.

To get a copy of the free standard for sanitiser and non medical facemask, please send a request to [george.opiyo@unbs.go.ug](mailto:george.opiyo@unbs.go.ug) or [maurice.musuga@unbs.go.ug](mailto:maurice.musuga@unbs.go.ug)



# Food safety remains a priority for UNBS

**WORLD FOOD SAFETY DAY** The Uganda National Bureau of Standards (UNBS) joined the rest of the world to celebrate Food Safety Day on June 7, 2020. This is the second World Food Safety Day to be celebrated globally since the United Nations General Assembly, adopted a resolution proclaiming it on December 20, 2018.

This year's theme: **"Food Safety, everyone's business"** is a call to action for everyone to be involved in promoting food safety to prevent, detect and manage foodborne risks.

## What UNBS does to ensure food safety

Developed 1033 Uganda standards in the area of food and agriculture that provide quality and safety requirements to ensure food hygiene and safety from production to consumption as well as conformity assessment measures such as internationally recognized test methods. The standards are available at <https://webstore.unbs.go.ug>.

Certified over 500 products in the area of food and agriculture with a substantial number produced by Micro Small and Medium Enterprises.

Offers world-class system certification services following the accreditation by SANAS to provide Food Safety Management Systems (ISO 22000) certification to organisations.

Provides internationally accredited

testing in a state-of-the-art food safety laboratory of food commodities and products for chemical and microbiological food safety aspects of public health concern such as additives, heavy metals, contaminants, pesticide residues and veterinary drug residues in food and feed

Offers customized training to mainly food industry players in the areas of food safety management systems, Hazard Analysis and Critical Control Point (HACCP), good manufacturing practices and good hygienic practices.

Inspects food products prior to importation in Uganda to ensure they meet the quality and safety standards through the Pre-Export Verification for Conformity to Standards Programme and,

A structured robust surveillance system rolled out in the local market throughout the Country to ensure that food commodities and products continue to meet the quality and safety standards

## How UNBS tested Covid-19 relief food

UNBS works to facilitate prevention, detection and response to public health threats associated with unsafe food. Ensuring consumer trust in their authorities, and confidence in the safe food supply, is an outcome that UNBS works to achieve. To do this, UNBS is undertaking the testing of relief food intended for supply during the countrywide lockdown.

UNBS testing laboratories are a centre of excellence accredited by the impartial and independent international accreditation body – South African National Accreditation System (SANAS) based on the international standards ISO 17025:2017.

## Food safety tip

Always wash your hands with soap and water (preferably warm) before and after handling food, to ensure safety.

Always wash fruits and vegetables before preparing or eating them to ensure safety.

# How UNBS tested Covid-19 relief food

**EFFORTS TO CONTAIN** the spread of Coronavirus left many Ugandans helpless as a result of lost income and wages due to the temporary closure of business operations. This prompted the Government of Uganda through the Office of the Prime Minister (OPM) to begin distribution of relief food items for the vulnerable population whose businesses and workplaces were closed as a result of the lockdown. Government also called upon organisations and individuals who would like to donate food items to the vulnerable population to channel it through OPM.

**A**s a result, companies and individuals overwhelmingly donated food relief items towards the cause. However, it is imperative that all the food supplied to the public is safe for human consumption. If not properly managed, unsafe food containing harmful substances such as chemical contaminants and micro-organisms such as bacteria, can cause food poisoning and other diseases ranging from diarrhoea to cancers.

Uganda National Bureau of Standards (UNBS) a body charged with the responsibility to protect the health and safety of consumers through testing of this relief food has built and maintained adequate food testing laboratories to respond to and manage food safety risks along the entire food chain, including during emergencies. Food safety, nutrition and food security are inextricably

linked. Unsafe food creates a vicious cycle of disease and malnutrition, particularly affecting infants, young children, elderly and the sick.

UNBS uses standards to address this challenge. Standards give guidance and benchmarks for best practices in food production methods and testing, to promote safety, quality and efficiency across the entire food industry. These standards address issues relevant to consumers such as food safety, nutritional labelling, hygiene, food additives and more. They give consumers the peace of mind that comes with knowing that the food they consume meets high standards for safety and quality and contains what it says on the label.

Food can become contaminated at any point along the value chain, especially during production, processing and distribution, and the primary responsibility for preventing

contamination lies with food producers. Yet a large proportion of foodborne disease incidents are caused by foods improperly handled in food service establishments, markets or prepared at home.

Not all food handlers and consumers understand the roles they must play, such as adopting basic hygienic practices when buying, selling and preparing food to protect their health and that of the wider community. If the ongoing pandemic is anything to go by, it is important all food handlers across the supply chain manufacture, store and handle food with the utmost care and safety precautions.

UNBS works to facilitate prevention, detection and response to public health threats associated with unsafe food. Ensuring consumer trust in their authorities, and confidence in the safe food supply, is an outcome that UNBS works to achieve. To do this, UNBS is undertaking the testing of relief food intended for supply during the countrywide lockdown. UNBS testing laboratories are accredited by the impartial and independent international accreditation body – South African National Accreditation System (SANAS) based on the international standards ISO 17025:2017.



The testing process for relief food begins with taking samples from the food consignments, in this case, maize flour and beans.



### **UNBS standards inspectors sampling part of the Covid-19 relied food.**

The Microbiology laboratory routinely undertakes analysis for microorganisms of public health significance. The laboratory tests a range of both fresh and processed foods and beverages. These include water, fruit juices, fish, milk and milk products, pickles, meat and meat products, cereals products, canned foods and dried foods. The chemistry laboratory checks for chemical contaminants, nutritional content and other physical/chemical properties of foods.

Laboratory testing is an important process, which relies on scientific analysis to identify problems with food products. It provides analytical data on the quality of a product or production process to support quality control in the HACCP system. Hazard Analysis and

Critical Control Point (HACCP) has been developed with the aim of systematically identifying the ingredients or processes that may cause problems (hazard analysis), assign locations (critical control points) within the manufacturing process where the properties of the food must be measured to ensure that safety and quality are maintained, and to specify the appropriate action to take if a problem is identified.

The testing process for these relief foods begins with taking samples from the food consignments, in this case, maize flour and beans.

Each sample is given a unique sample identification number, initial and date of collection. The samples are then subjected to testing using the standards US EAS 44:2019, Milled

maize (corn) products — Specification for maize flour, and US EAS 46:2017, Dry beans — Specification for dry beans.

The samples are analysed by technical experts for different safety and quality parameters as stipulated in the standard.

The maize flour is tested for contaminants such as aflatoxin, moisture content to ensure that there is no quick deterioration and micro-organisms such as bacteria among others. Beans are tested for extraneous matter, filth, insect infestation and rotten seeds among others.

Once testing is done, a test report is prepared with the findings from the sample(s). This draws the conclusion of whether the food is safe for human consumption or not.



# UNBS urges maize flour, bean suppliers to embrace certification

The Uganda National Bureau of Standards (UNBS) Executive Director, Dr. Ben Manyindo has called upon maize and bean suppliers to embrace UNBS certification to ensure quality of their output.

According to Dr. Manyindo, having few qualified and certified maize flour and bean producers in the supply chain created a huge gap, which was a big challenge in terms of delayed food distribution, when the country was battling the Covid-19 pandemic.

“If we had qualified, certified suppliers, we wouldn’t be having challenges of delays. All the Office of Prime Minister (OPM) would do is to get a database of certified suppliers from UNBS and award them contracts to supply maize and flour. This gap in the supply chain has to be corrected moving forward.” Dr. Manyindo said.

The UNBS ED was responding to claims that the UNBS quality checks are delaying Covid-19 relief food distribution.

The remarks were made during the Minister of Trade Industry and Cooperatives, Amelia Kyambadde’s visit to the OPM stores in Kinawataka recently, where she had gone to inspect UNBS works regarding Covid-19 relief food quality.

Kyambadde acknowledged that the quality check process takes time,



***The Executive Director of Uganda National Bureau of Standards Eng. Dr. Ben Manyindo and Minister of Trade Industry and Cooperatives Amelia Kyambadde after inspecting the Covid-19 relief food***

given that the samples obtained at Kinawataka have to also be transported to the UNBS laboratories in Nakawa for testing. She, however, recommended the fast tracking of Covid-19 relief food distribution and other items that were to be given out.

UNBS continued to work tirelessly

to ensure the quality of Covid-19 relief food.

The quality compliance of food delivered improved as results indicated that 77 percent of maize flour and 79 percent of beans passed the quality test as at May 2, 2020.

***Maize standards guide on best practices for post-harvest handling to ensure a quality final product***



# What constitutes a quality non-medical facemask

The Uganda National Bureau of Standards (UNBS) is giving out free non-medical mask standards to aid certification of facemask manufacturers and mass production of non-medical facemasks that meet the national quality standards.

This is in line with the UNBS mandate of consumer protection, aimed at protecting Ugandans from buying substandard non-medical facemasks, which could be harmful to their health, in the wake of Covid-19.

According to the Uganda Standard, US 2252: 2020 Non-medical masks – Specification, a non-medical facemask is a covering that protects the full face or parts of the face against contaminated atmosphere or reduces the emission of droplets from the wearer to the atmosphere.

The standard states that non-medical face masks may be made from variety of common cloth and other fabric materials which are compatible and suitable for use like Chiffon and cotton, in specific quantities laid out in the US 2252: 2020 Non-medical masks – Specification.

The standard requires that these facemasks may be of a single layer or a multi-layer composite made

of single or blended fabric, with or without film and shall have head harness for holding it on the user's head.

### But what constitutes a quality non-medical facemask?

- Ensure that your facemask is free from sharp edges that can injure you
- The fabric of the mask must not lose color when in contact with sweat or liquids, cause irritation or any health hazard when in use
- The facemask must have a proper fitting; covering the nose, mouth and chin with no side openings.
- The facemask should ease breathing and should not easily catch fire or cause suffocation.
- The face mask should be made of at least two layers
- Uganda National Bureau of Standards (UNBS) encourages you to wash, iron and keep your fabric mask under good hygienic conditions to avoid any occurrence of respiratory diseases.
- All consumers are advised to be vigilant'

**Do not be cheated**

Always check expiry dates on items before buying.

Look out for UNBS mark of quality on all products.

Buy in gazetted areas.

Get in touch with us

on: Toll-Free line-

**0800 133133,**

WhatsApp-

**0713 227580** or visit

us our **website [www.](http://www.unbs.go.ug)**

**unbs.go.ug.**

You can also download the UNBS App available on google Play Store

# How facemask and sanitiser manufacturers get UNBS certification

**CORONAVIRUS** Due to the coronavirus outbreak, there is a huge demand for masks and sanitizers. It is important to ensure that appropriate masks and sanitizers provide adequate protection and are swiftly made available to those who need them.

Due to the coronavirus outbreak, there is a huge demand for masks and sanitizers. It is important to ensure that appropriate masks and sanitizers provide adequate protection and are swiftly made available to those who need them.

UNBS is offering manufacturers free standards for non-medical face masks, hand sanitizers and disinfectants to support in addressing the Covid-19 pandemic. The applicable standard is US 2552:2020 – Non-Medical Face Masks and US EAS 789: 2013, instant hand sanitizers specification

To get free copies of this standard, manufacturers were advised to send an email to [george.opiyo@unbs.go.ug](mailto:george.opiyo@unbs.go.ug) or [maurice.musuga@unbs.go.ug](mailto:maurice.musuga@unbs.go.ug).

In addition, manufacturers are encouraged to seek certification from UNBS for the face masks and hand sanitizers/disinfectants to ensure that they meet the relevant standards. The procedure for certification is described below;

### How to apply;

Open a user account on <https://cims.unbs.go.ug/> or via the UNBS website at [www.unbs.go.ug](http://www.unbs.go.ug)

You will need to have at least the following:

- A valid email address and
- A Tax Identification Number (TIN)
- Product labels/markings
- Certificate of Business Registration
- Production process Flow chart or

production process description

### Application review

The information submitted to UNBS is evaluated for completeness and adequacy. Any concerns with the application are resolved at this stage before proceeding with the process.

### Payment

The company is then billed for audit and testing fees and the payment notice generated and sent through the e-system to the client via the email provided;

Audit fees Shs250,000 (irrespective of location in Uganda) and Testing fees Shs 95,000 for medical masks and Shs150,000 for non-medical masks.

Any delays in payment implies delayed scheduling of the on-site audit.

### Audit

UNBS auditors visit the applicant's facility for the on-site evaluation to assess the production and quality assurance processes.

An audit plan will be shared with the applicant before the on-site audit to indicate how the process will be conducted.

If agreeable, the audit plan must be confirmed by the client through the online system.

### Product evaluation

The auditors obtain samples from the facility at the time of the audit and

submit to the UNBS laboratory for testing.

### Closure of non-conformances

Where issues are raised during the audit or where product failures have been identified, the company is given time (within 30 days) to close out the identified non-conformances.

### Review

If the company has fulfilled the requirements of the relevant standards as confirmed by the audit report and test results, the company file is forwarded to the Certification Review Committee (CRC) for consideration of grant of permit.

### Certification decision/approval

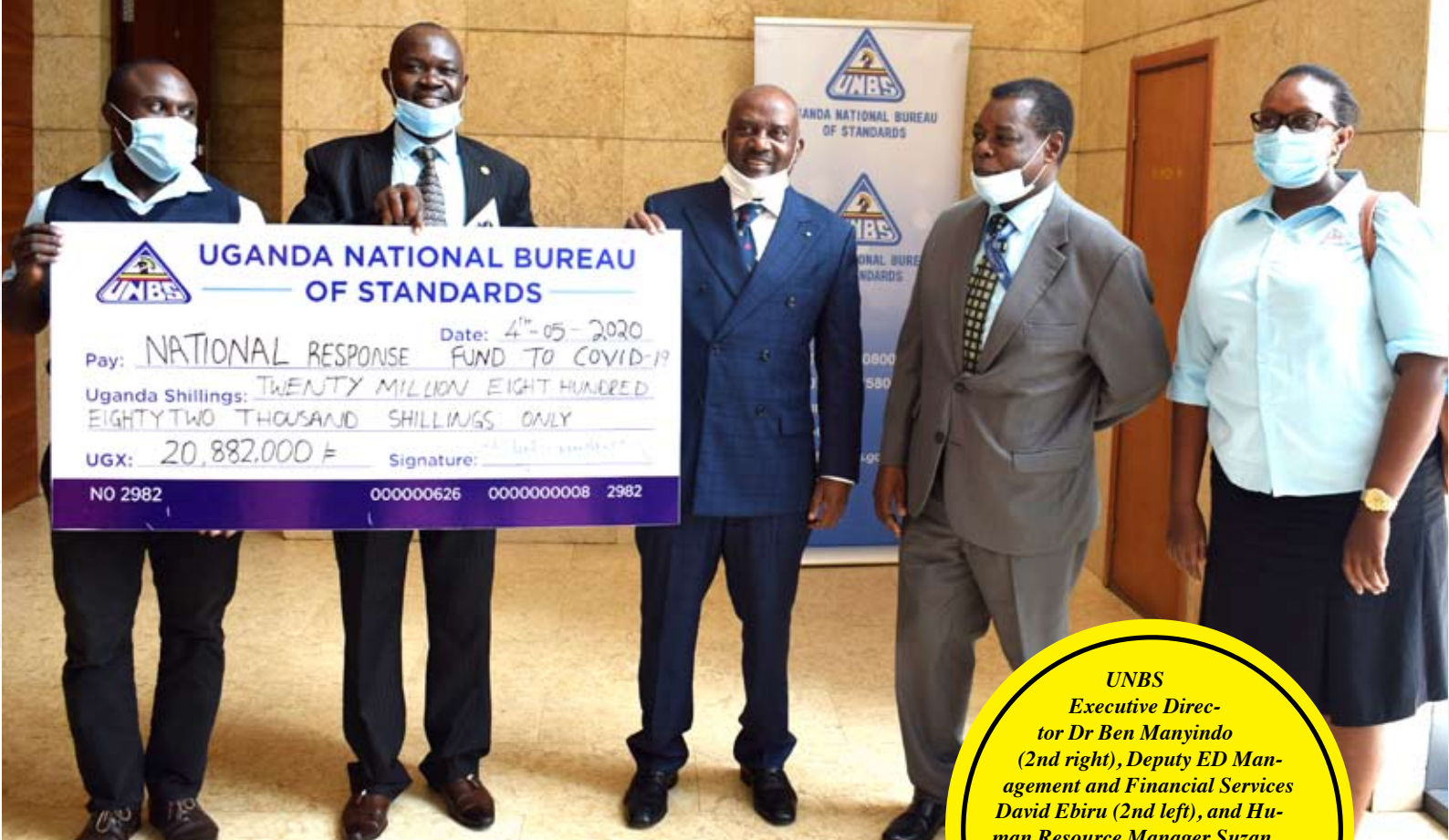
- If satisfied, the CRC recommends to the executive director to approve grant of permit to use the Distinctive Mark on products of the applicant.

- Applicant is issued an e-permit valid for 1 year upon payment of applicable certification fees.

### Permit fees

Micro and Small Enterprises Shs350,000  
Medium and Large Enterprises Shs 800,000

**For more information, please contact us on our Toll Free Line 0800 133 133 and WhatsApp on 0713227580 or visit our website [www.unbs.go.ug](http://www.unbs.go.ug).**



**UNBS**  
*Executive Director Dr Ben Manyindo (2nd right), Deputy ED Management and Financial Services David Ebiru (2nd left), and Human Resource Manager Suzan Akantunga (extreme right), pose for a photo after handing over the staff contribution to the National Taskforce*

# UNBS joins Covid-19 fight with Shs20m

The staff of UNBS has contributed over Shs20m and the package was handed over to the National Task Force team led by Minister Mary Karoro Okurut, Chairperson of the Covid-19 fundraising drive Mr. Emmanuel Katongole by the agency Executive Director Dr Ben Manyindo at OPM offices in Kampala.

“UNBS staff appreciate the efforts by the National Covid-19 Task Force towards the fight against the pandemic and extend their commitment to continue supporting this cause in ensuring that we stand together to fight off coronavirus in Uganda.” Dr Manyindo said.

The National Covid-19 taskforce head, Karoro thanked UNBS for the donation and for keeping up the standards.

Mr Katongole also thanked UNBS staff for the kind gesture of setting aside part of their salaries to contribute to the fight against the coronavirus in Uganda.

The donation was one of the contributions made by the standards body, in addition to the free face mask

“UNBS staff appreciate the efforts by the National Covid-19 Task Force towards the fight against the pandemic and extend their commitment to continue supporting this cause in ensuring that we stand together to fight off coronavirus in Uganda.” **Dr Ben Manyindo said.**

standards, free sanitiser standards, free disinfectant standards as well as free technical guidance offered to local manufacturers to increase the production and use of safe and good quality face masks and sanitizers in the wake of Covid-19.

The frequent use of masks and sanitizers is one of the measures put forward by government to curb the spread of the COVID19 pandemic and as such, UNBS prioritized certification of sanitizer manufacturing companies, which saw them increase. Before the lockdown Uganda had only two certified sanitiser companies (UNBS) intervened and offered technical guidance and standards of sanitisers and disinfectants free of charge to new sanitizer and disinfectant manufacturers to assist them in the production of safe and good quality sanitizers and disinfectants, in the wake of COVID-19. UNBS was also at the forefront of ensuring the quality of Covid relief food procured and donated.

# Covid-19: ICT takes over business continuity

**TECHNOLOGY** The world is facing an unprecedented social, economic, and political crisis with the spread of Covid-19. Coronavirus is the first pandemic in human history where technology is being used on a massive scale to keep people safe.

Governments have imposed extensive measures such as travel ban, curfew, prohibition of mass gatherings, mandatory quarantine, closure of learning institutions, entertainment spots and borders.

These measures have in turn boosted the use of Information and Communications Technology (ICT).

In this unprecedented fight against Covid-19, digital technologies offer the only opportunity for governments, individuals and businesses to cope with social distancing, ensure business continuity, and prevent

have Internet access, leaving the other population still excluded from digital technologies. In addition, there is also a “usage gap” with a small percentage of people covered by mobile broadband networks but who are not using mobile internet services.

## Since the start of Covid-19

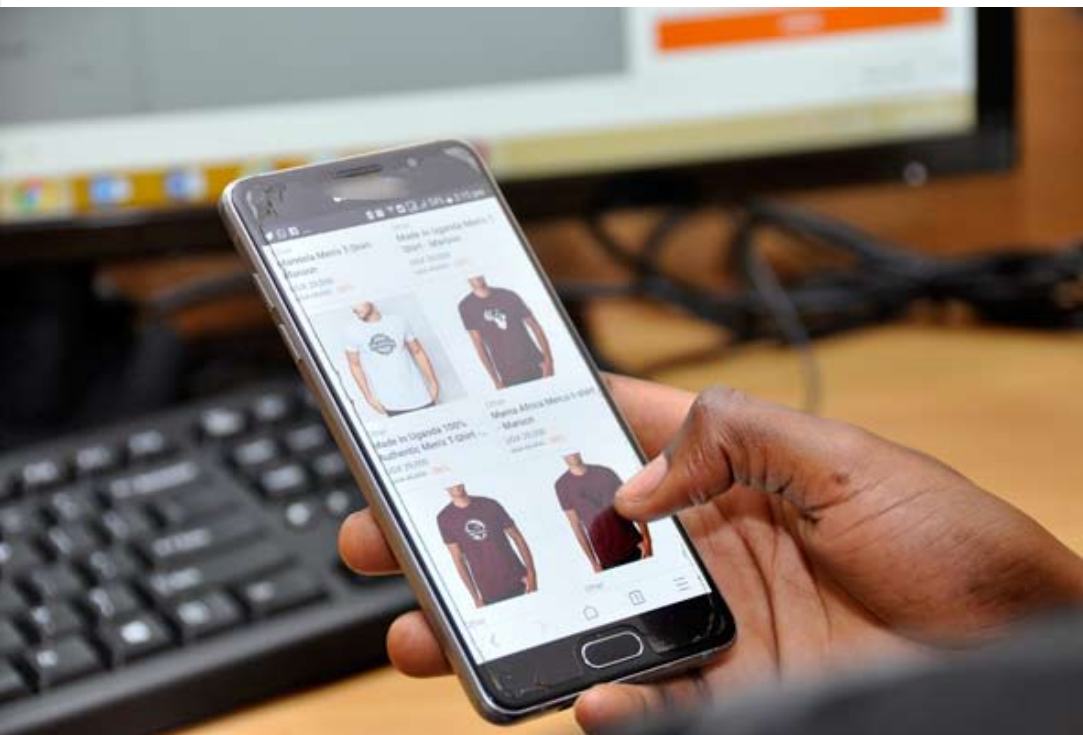
Millions of students are out of school and in need of online/distance learning and safe environments to learn and communicate.

Voice calls and some communications apps have increased, causing increased

is of paramount importance to ensure individual and economic interactions continue happening.

The need to strengthen the digital infrastructure to enable remote working at scale and facilitate business continuity despite the numerous challenges to ensure that the communities they support are able to overcome the crisis.

Furthermore, satellite operators are supporting pandemic response by supporting WiFi hotspots and telemedicine platforms backhauled by satellite.



service interruptions. Governments, supported by the private sector and the ICT development community require immediate action particularly to leverage ICT to respond to challenges presented by the virus.

A small percentage of the population

congestion and the need to support network resilience.

Similarly, data traffic has also increased as well as cyberattacks in the last two as governments impose extreme social distancing measures, maintaining connectivity

Healthcare workers, hospitals, and first responders are in need of quickly deployed, dedicated and highly secure network capacity and tools.

Scarcity of broadband access will

continue to compromise economic activities, cash transfers, and remittances, while limiting distance learning and weakening health coordination response. Landlocked countries could be at risk if the countries that they rely on for transit give excessive priority to their own traffic needs.

### The call for action

Government should address the development of contingency and emergency telecommunication plans, using the ITU guidelines to develop National Emergency Telecommunication Plans (NETPs) through a multi-stakeholder approach. This will include using telecom networks to deliver early warning alerts to end users.

Increasing bandwidth, strengthening resilience and security of networks, and managing congestion;

Telecom operators are experiencing



an unprecedented surge of traffic because of more people working from home and accessing digital services. Investment in added capacity is needed in order to ensure networks remain as robust and secure as ever.

Connecting vital services and ensuring the continuity of public services to safeguard the welfare of populations.

In a global health emergency, connecting health centres and hospitals is an absolute priority, enabling services such as remote diagnostics and telemedicine. Powering FinTech and digital business models to support the most impacted businesses and communities.

Economies are increasingly relying on FinTech and digital financial services to stay afloat, and demand for services such as mobile and digital payments, telework platforms, food delivery, and e-commerce will grow exponentially.

Various businesses have been quick to encourage use of mobile money transactions and other online services such as e-banking,

Online Shopping Applications such as Jumia, etc. instead of cash for payment of goods and services so as to curtail the infection.

Government and Telecom operators should consider new approaches or adaptive business models to facilitate deployment of these services.

### Promoting trust, security and safety online

With rising cyber security threats targeting various organisations, telecoms networks and critical infrastructure, there is need to enhance cybersecurity capabilities, including through National Computer

### Promote network flexibility

Allow voluntary infrastructure sharing between operators for the purpose of meeting the exceptional demands for expanded connectivity.

Facilitate access to spectrum resources during the crisis for the purpose of relieving congestion, expanding or improving broadband access and enabling diverse technology solutions.

Prioritize connections to critical communications and services, including encouraging local governments to expedite permitting for infrastructure deployment to support continuity of digital service.

Adopting a lower video bit rate and defaulting to standard-definition

videos to curb temporary congestion on networks

Remove regulatory constraints that may hold back the deployment of innovative business models, such as unlocking dark fibre holdings.

Ensure the continuity of the digital industry supply chain by streamlining customs and logistical processes and classifying network equipment as essential infrastructure.

Streamline planning processes to enable rapid approval of installation of additional capacity on existing network sites and approval of new sites and installations.

Ensure access and affordability of digital services

Support operator initiatives in support of vulnerable consumers by relaxing regulatory barriers and maintaining commercial flexibility to offer special tariffs and zero-rated access, while acknowledging the importance of robust, sustainable, mobile networks.

Authorize the distribution and purchase of pre-paid mobile services in essential commercial premises for top-up customers, who otherwise would not be able to buy broadband access where usual facilities are under lockdown policies.

Reduce, waive or defer payment of sector-specific taxes, duties and fees on mobile communications, public and data communications services, mobile money services and international digital communications and transactions.

Implement policies to relieve financial hardship of end users, and potentially provide bridge loans/guarantee mechanisms to telecoms operators or repurpose existing universal service funds.

Support the pre-purchase of broadband internet access for government officials and other targeted groups under home-based work to ensure continuity of government and support operators' finances at a time of crisis.

Categorize workforces responsible for network performance and customer support as eligible for freedom of movement in regions with strict lockdown policies.



# Measurements in your everyday life



By Yasin Lemeriga

Every year on May 20, the world celebrates Metrology Day in commemoration of the anniversary of the signing of the Metre Convention (Convention du Mètre) in 1875. This provided the basis for a worldwide coherent measurement system that underpins scientific discovery and innovation, industrial

manufacturing and international trade, as well as the improvement of the quality of life and the protection of the global environment.

Metrology, the science of measurement and its applications in all aspects of life. Be it in science and technology, trade, regulations, health, safety and environment.

The theme for World Metrology Day 2020 is Measurements for global trade. This theme was chosen to create awareness of the important role measurement plays in facilitating fair global trade; ensuring products meet standards and regulations, and satisfying customer quality expectations.

On this day, the world and the measurement community celebrates the impact of measurements on our daily lives based on the theme of the year and recognises the challenges and the

immense contributions of Metrologists throughout the world. It also aims to draw the attention of governments, policy makers, international bodies, companies, academia, and men and women in all spheres of life to the importance of accurate measurements in our daily lives which come with their investments.

The economic success of nations depends upon their ability to manufacture and trade precisely measured and tested products and services that can compete in the global market. Metrology is central to the manufacturers, suppliers and customers of goods and services as it ensures product quality and interoperability, eliminates waste, raises productivity, and facilitates trade based on agreed measurements and tests.

Molecular transformations are central to the production of foodstuffs,



*UNBS metrologist at work*

medicines, fuels, and metals, virtually all manufactured and extracted products, thus we are able to manufacture plastics as hard as steel, bullet proof vests that are comfortable to wear. The quality of the products will ultimately depend on how accurately the production process conditions like temperature, pressure, H have been measured and controlled.

The maintenance of human health depends critically on the ability to make accurate diagnosis, and deliver precise treatment in which reliable measurement is essential in dosage and efficacy of the pharmaceutical used. Therefore, instruments used for measurement of aspects like blood pressure, body temperature, weight, height for diagnosis as well as instruments for testing of sample and for dosing medication and meting radiation during treatment must provide accurate results. During this period of the COVID-19 pandemic, many measurements are done, if these are wrong we may allow a person infected into our community because the results are negative, quarantine, or deny access to a healthy person because the results are falsely positive. Well-set and accurate oxygen pressure and flow rates of ventilators during patient treatment are a critical factor. Accurate measurement results in timely and correct treatment and therefore has a direct and beneficial effect on the safety and care of patients who are treated in hospitals in all countries of the world.

Prosecution of drunk driving, over speeding by the police or industrialists who discharge effluents into the environment can only be fair if the instruments used to establish the levels of the parameters are calibrated and traceable through certified reference materials.

Interoperability of parts is critical in inter industry and international trade as parts produced by different manufacturers can be used to assemble cars, aircrafts, systems and devices. Accurate and traceable measurements underpin interoperability.

Our safety depends on accurate setting and indication of gauges used in supporting decisions. Imagine the bolts

and nuts used to fasten safety critical parts of the car or plane you are travelling in is not done with the right torque or because of a faulty gauge the plane you are flying in the wrong altitude and therefore in the path of another. What if the fuel gauge and the fuel dispensing meters at the airport are not accurate?

Much of the traded items are in the form of Weights and Measures. We can only have value for money if the litre of fuel dispensed into our vehicle is truly a litre; the meat bought from the butchery is three kilos and you are getting your money's worth.

The country spends funds for the construction and maintenance of roads and therefore all efforts should be made to minimise damage to our roads by controlling overloading of the roads. Therefore accurately measuring axle loads of trucks that traverse our roads lest we penalise innocent truck drivers or let loose those that will damage our roads move freely.

As this country prepares to industrialise and develop its oil and gas sector, it is important that measurements during custody transfer and all other processes are accurately done so that the country benefits abundantly.

The international trends in metrology demonstrate that the Metre Convention is still a living instrument, responsive to the current needs of globalization and is a testament to the wisdom of those who met in Paris on 20th May 1875. The adventure of metrology is an enterprise which has been propelling the evolution of the modern world and which continues to excite the imagination and to assist society.

With this in mind, it is therefore imperative that the government continues to invest in national metrology infrastructure to keep abreast with technological changes.

The benefits of metrology touch us all irrespective of wherever we live and whatever we do.

**The writer is the Manager of the National Metrology Laboratory at Uganda National Bureau of Standards.**



# Substandard goods worth Shs2.5b destroyed

**SUBSTANDARD GOODS** The Uganda National Bureau of Standards (UNBS) destroyed 232 metric tonnes of substandard goods worth Shs2.5b in the month of June.



1. FOOD
2. TOILET PAPER
3. CEMENT
4. ALCOHOL

SOME OF THE  
SUBSTANDARD  
GOODS  
THAT WERE  
DESTROYED

This is in line with UNBS mandate of enforcing standards in protection of public health and safety, and the environment against dangerous and sub-standard products.

A substandard product is one that does not meet the general and technical specifications required by the standards and as such, is considered to

be inferior or of poor quality.

The substandard goods destroyed include foodstuffs, iron sheets, cosmetics, cement, mattresses, toilet paper, polythene bags, electronics and alcohol, among others.

The destroyed products were seized during countrywide operations carried out by the UNBS Market Surveillance and Imports Inspection departments in the course of the financial year 2019/2020.

In a bid to intensify the fight against substandard products, UNBS reviewed its regulations, among them;

The Imports Inspection and Clearance Regulation 2018, which requires that goods covered by compulsory standards must be inspected in their country of origin before they are allowed on the market under the Pre-Export Verification of Conformity to Standards Program (PVoC)

The UNBS Distinctive Mark Regulation 2018, which requires all locally manufactured goods covered by compulsory standards must be certified and issued with UNBS Distinctive Mark before they are allowed on the market.

UNBS thus urges importers and local manufacturers to adhere to the above regulations, and the public to report cases of substandard products on the market using our **toll free line: 0800133133** or **WhatsApp line: 0713227580**.

## UNBS E-services easing operations

As the ongoing pandemic continues to rage on, Uganda National Bureau of Standards (UNBS) is committed to serve the business community. Ensure to make use of our online services below;

### Applying for certification

To apply for product certification online and track the application progress until you get an electronic permit, use <https://cims.unbs.go.ug>

### Buying standards

To buy standards online, use <https://webstore.unbs.go.ug> Also see detailed procedure here <https://blog.unbs.go.ug/?p=11188>

### Import clearance

For faster clearance of goods during imports clearance, use <https://portal.unbs.go.ug>

Clients are encouraged to purchase standards online through the UNBS Webstore using the link <https://webstore.unbs.go.ug/>.

### Testing

To monitor the progress of samples submitted for laboratory analysis up to the time when the final results are issued, use UNBS Mobile Application (UNBS APP) or UNBS website - Samples Analysis Status

### Complaints handling

To register a complaint as part

of UNBS effort to increase public participation in the fight against substandard products on the market, use <https://support.unbs.go.ug>

To access all UNBS e-services on one platform, download the UNBS Mobile App from Google Playstore. The App is accessible on both Android and Apple devices.

For more information, visit the UNBS website at <https://unbs.go.ug> and the UNBS blog at <https://blog.unbs.go.ug>

**For inquiries, call our Toll-free line: 0800133133, or reach us through WhatsApp on 0713227580, or on our social media pages on Twitter and Facebook @UNBSug.**

# List of UNBS certified sanitizer manufacturers as of June 2020

| S/N | Company Name   | Brands   |
|-----|--|--|
| 1.  | Saraya Manufacturing (U) Ltd   | Smartsan J-1-Sanitizing<br>Cleaner Saraya Disinfectant Detergent<br>Saraclean C<br>Saraya Toilet Seat Sanitizer<br>Saraya Who Formula 1<br>Alsoft V<br>Smart San S-4 |
| 2.  | Wandaz Products Limited  | Wandaz Instant Hand Sanitizer  |
| 3.  | Nucleus Harvest Limited  | Charmens   |
| 4.  | Sheen Plus Cosmetics - SMC Ltd   | Sheen Plus Hand Sanitizer Gel<br>Sheen Plus Hand Sanitizer Liquid  |
| 5.  | Adma International Ltd   | Cedarol  |
| 6.  | Zest Pharmacy Limited  | Zest<br>Fressam<br>Arrows  |
| 7.  | Samaka Consults Uganda Limited   | Samaka   |
| 8.  | Xplore Beverages Ltd   | Xtra Care  |
| 9.  | Akhtabut Investments Uganda Limited                                    | Flush<br>Lattol<br>Octopus Hand Sanitizer  |
| 10. | Premier Distilleries Limited   | B-Safe   |
| 11. | Ranish Logistics Limited   | CJ   |
| 12. | Kenlon Industries Limited  | Immaculate   |
| 13. | Rene Industries Limited  | Rene   |
| 14. | Dei Natural Products International Limited                             | CovaNil  |
| 15. | Hoima Sugar Limited  | Prosan hand sanitiser  |
| 16. | Globo Chemical (U) Limited   | Handsan  |
| 17. | Luwero Industries Limited  | Nec Clean  |
| 18. | Geno-Hitech Uganda Limited   | Med-Gel  |
| 19. | Try Africa Group Limited   | Try Africa Hand Sanitizer  |
| 20. | Mindtime Ltd   | Gik Pro - Hand Sanitizer Liquid<br>Gik Pro - Hand Sanitizer Gel  |
| 21. | Movit Products Limited   | Skin Guard Hand Sanitizer<br>Spray With Moisturizer<br>Skin Guard Hand Sanitizer Gel<br>With Moisturizer   |
| 22. | Taff Steel Limited   | Taff   |
| 23. | Kakira Sugar Limited   | Kakira Klean   |
| 24. | House of Rehoboth U Limited  | Riyo   |
| 25. | Joint Health Care Investments Limited                                  | Clinisafe Hand Sanitizer   |
| 26. | The Purpose LTD  | Cleanmate  |
| 27. | Gim Beverages Limited  | G3 Hand Sanitizer  |
| 28. | Lifecheck Pharma Limited   | Senz   |
| 29. | Sugar Corporation of Uganda Limited                                    | Scoul Instant Hand Sanitizer   |
| 30. | Seweco Industrial Coatings Limited                                     | Seweco   |
| 31. | Nobel Synthetics Limited   | Topical Solution   |
| 32. | Tona Star Products Limited   | Klin star  |
| 33. | Afrihomes Limited  | Afro Royal Hand Sanitizer GEL<br>Tuku Hand Sanitizer   |
| 34. | Yuti Breweries Limited   | Quick Hand Sanitizer   |
| 35. | Serene Chemical Products (U) Limited                                   | Serene Instant Hand Sanitizer  |
| 36. | Tesh Investments Limited   | IKE Hand Sanitizer   |
| 37. | Mavid Pharmaceutical Industries Limited                                | Sanvid   |
| 38. | Nexo Enterprises Limited   | Focus  |
| 39. | Carbide Company Limited  | Carbide  |
| 40. | Collard Group Limited  | SaniDrop   |
| 41. | Johnes Vocational Training Institute Limited                           | Johnes   |
| 42. | Dembe Trading Enterprises Limited                                      | Naturelle<br>Odorex  |
| 43. | Shafranto (U) Limited  | Shafranto  |
| 44. | Telesat International Cottage Industrial Development Institute Limited | Proteger Plus Hand Sanitizer   |
| 45. | Mukwano Personal Care Products Limited                                 | Meditex Hand Sanitizer   |
| 46. | Jago Enterprises   | Jago Hand Sanitizer Liquid<br>Jago Hand Sanitizer Gel  |
| 47. | Amagara Skincare Limited   | Amagara Hand Sanitizer<br>Amagara Sanitizing Gel   |
| 48. | The Northern Rock Investments (U) Limited                              | Johnson Hand Sanitizer   |
| 49. | Visionneuse Enterprises  | Tess Hand Sanitizer<br>Homely Hand Sanitizer   |
| 50. | Mwiru Holdings - SMC Ltd   | La Ville Hand Sanitizer  |
| 51. | Alexander Perfumery Limited  | Aspire   |
| 52. | Chief Distilleries Uganda Limited                                      | PureX  |
| 53. | Ambiance Distillers Limited  | Ambiance Instant Hand Sanitiser  |

|      |   |   |   |
|------|---|---|---|
| 54.  | Samona Products Limited                           | Samona Hand Sanitizer<br>Skin Care Hand Sanitizer   | Wosha Disinfectant With Aloe-<br>vera Fragrance                                   |
| 55.  | Balcha'S Concepts (U) Limited                     | V-Clean<br>Saviour<br>Hy-Gne<br>Safe Clean<br>Winsun<br>Warrior<br>Germ Kill Orange Fragrance<br>Germ Kill Lemon Fragrance  | Wosha Disinfectant With Eucalyptus Oil<br>Wosha Disinfectant With Lemon Fragrance |
| 56.  | Life Care Products                                | Best Instant Hand Sanitizer<br>Super Lady Instant Hand Sanitizer<br>Life Care Hand sanitizer<br>VX Brilliant Hand Sanitizer |   |
| 57.  | Boss Beverage International (BBI) Limited         | C-19 Hand Sanitizer   |   |
| 58.  | Liz Beauty Products                               | Liz Hand sanitizer  |   |
| 59.  | Zinc Pharmacy Limited                             | Arrows Hand Sanitizer Strawberry Flavour  |   |
| 60.  | Lyv Investments Limited                           | Soraye Liquid Instant Hand Sanitizer<br>Soraye Gel Instant Hand Sanitizer   |   |
| 61.  | Shaliza Homecare Company Limited                  | Shaliza Lavender Flavoured brand  |   |
| 62.  | Urban Snail Farm                                  | LMS LMS GELW  |   |
| 63.  | Hema Beverages Limited                            | Bliss Instant Hand Sanitizer Gel Type<br>Bliss Instant Hand Sanitizer   |   |
| 64.  | Bukona Agro Processors Limited                    | Bukona Instant Hand Sanitiser   |   |
| 65.  | Uwaisi Ltd  | Yoza Gel Hand Sanitizer - Lavender Scent<br>Yoza Liquid Hand Sanitizer - Lavender Scent                                     |   |
| 66.  | Princess Pharmacy (U) Limited                     | Princess Sanitizer Gel<br>Princess Sanitiser Spray  |   |
| 67.  | Hamran Chemicals Limited                          | Sani Hand Sanitizer   |   |
| 68.  | Hafi Nish Beauty Center                           | Hafinish  |   |
| 69.  | View Investments (U) Limited                      | Roxy Hand Sanitiser   |   |
| 70.  | Dag And Bragan Limited                            | Brago<br>Brago Gel  |   |
| 71.  |   |   |   |
| 72.  |   |   |   |
| 73.  | Mega Foods & Beverages International Limited      | Crane Hand Sanitizer  |   |
| 74.  | Firstline Pharmaceuticals (U) Limited             | Caring Hands - Strawberry Flavour<br>Caring Hands Gel   |   |
| 75.  | ASWT Industries Uganda Limited                    | GO Spray<br>Go Gel  |   |
| 76.  | Surgirad Healthcare Ltd                           | Surgi Hand Sanitizer<br>Surgi-gel Hand Sanitizer  |   |
| 77.  | Remeses Company Limited                           | URIM Instant Hand Sanitizer Gel<br>URIM Instant Hand Sanitizer Spray  |   |
| 78.  | Wosha Products                                    |   |   |
| 79.  | Shivpad Uganda -Smc Limited                       | Pure+   |   |
| 80.  | Nansibankya Clinic                                | Micro-X   |   |
| 81.  | Kageye General Merchandise                        | WOW Hand Sanitizer  |   |
| 82.  | Allied Quality & Safety Consults Ltd              | Covi-Safe Hand Sanitizer  |   |
| 83.  | Acetah Consult Solutions (U) Limited              | Acetah HANDSAN  |   |
| 84.  | Hk Industrials Limited                            | Hasha Spray   |   |
| 85.  | Kelvin Shaun Investments Limited                  | Alpine Super Disinfectant   |   |
| 86.  | All In One Chemicals (U) Limited                  | All Clear Hand sanitizer Gel  |   |
| 87.  | Ahhuu Barintumye Herbal Clinical Research Limited | Ahhuu Hand Sanitizer  |   |
| 88.  | Blueswan Products Limited                         | Swan  |   |
| 89.  | Gama Distillers Ltd                               | Gama  |   |
| 90.  | Sanit Hygiene - Smc Limited                       | Sanit Hand Sanitizer  |   |
| 91.  | Maili More Limited                                | Maili More Ltd Hand Sanitizer   |   |
| 92.  | Unique Soap Manufacturers (U) Limited             | Unique Hand Sanitizer   |   |
| 93.  | Balaji Medical Care Limited                       | Safe Hands - Hand Sanitizer Gel   |   |
| 94.  | Modern Great Ways Engineering Co. Ltd             | Mogwec  |   |
| 95.  | White & Bright (Wnb) Uganda Limited               | Tanyo Hand Sanitizer  |   |
| 96.  | V And S Medicines Uganda Ltd                      | HAS Instant Hand Sanitizer  |   |
| 97.  | Blue Nile Distilleries Limited                    | Last Drop   |   |
| 98.  | Nyasha Africa Limited                             | Doer Hand Sanitizer   |   |
| 99.  | Lweny Engineering & Supplies Limited              | Lweny Liquid Hand Sanitizer   |   |
| 100. | Life Plus Pharmaceuticals Limited                 | Avery Hand Sanitizer  |   |
| 101. | Mzuri Living                                      | Mzuri Living  |   |
| 102. | Avance International University Limited           | Avance Hand Sanitizer   |   |
| 103. | Glorrie Industries Limited                        | Victoria  |   |
| 104. | Aden Springs Enterprises Limited                  | Blade   |   |
| 105. | The Pharmaceutical Society of Uganda              | PHARMAgel<br>PHARMAwash   |   |
| 106. | Smileplast Limited                                | Smile Hand Sanitizer  |   |
| 107. | Proverbs Business Solutions LTD                   | Advanced Hand Sanitizer   |   |
| 108. | Volks Holdings Limited                            | Volksan   |   |

|      |   |                                |      |  |                                  |
|------|---|--------------------------------|------|--|----------------------------------|
| 109. | Avar Lab Supplies & General Enterprises Limited | Tuva Hand Sanitizer            | 123. | Buddo Distillers Limited               | Safehands                        |
| 110. | Rena Beverage Solutions Limited                 | Safisoft                       | 124. | Clig Daily U Limited                   | Classic                          |
| 111. | Vitlab Enterprises Ltd                          | Vitlab                         | 125. | All In One Chemicals (U) Limited       | AllClear - Lavender Fragrance    |
| 112. | Sun Industries Limited                          | Sun - Sanitizer Gel            | 126. | Mohca Beauty & Skin-care Limited       | Shea Care Hand Sanitizer         |
|      |   | Sun - Sanitizer Spray          | 127. | Ken Fehling Partners (KFP) Limited     | KFP Hand Sanitizer               |
| 113. | Trade-Ex Consult Ltd                            | Supreme Hand Sanitiser Gel     | 128. | Nissinisiima Investments Limited       | Oceans                           |
|      |   | Supreme Hand Sanitiser Liquid  | 129. | UKI (Uganda) Limited                   | UKI                              |
| 114. | Samaka Consults Uganda Limited                  | Samaka - Peach Fragrance       | 130. | Smartcare Ltd                          | SMART - LIQUID HAND SANITIZER    |
| 115. | Mambo Freshy Amenities Limited                  | Rexenol Instant Hand Sanitizer | 131. | Atek Agro Chemicals And Foods Limited  | Optimum Hand sanitizer           |
| 116. | Firstline Pharmaceuticals (U) Limited           | Caring Hands Lemon Fragrance   | 132. | Buwembe Brewers And Distillers Limited | KELAAR                           |
| 117. | Kalibatk Enterprises Ltd                        | Sterifect                      | 133. | Dream Cap Limited                      | RG'S                             |
| 118. | Jalshi Care Uganda -Smc Ltd                     | Avion Hand Sanitizer           | 134. | Rwenzori Bottling Company Limited      | Stay Safe Instant Hand Sanitizer |
| 119. | Niam Limited                                    | Univo Hand Sanitizer           | 135. | Semar Beverages Co. Limited            | Kashalom hand sanitizer          |
| 120. | KAS Engineering Solutions Limited               | GT-San                         | 136. | Parambot Distilleries Limited          | Hand Master                      |
| 121. | Mediserve Laboratory Stores Limited             | Alva Handie                    |      |  |                                  |
| 122. | Brenopharm (U) Ltd                              | Brenosept<br>Brenosept - Gel   |      |  |                                  |

## List of certified non-medical facemask manufacturers as of June 2020.

| No. | Holding Company                   | Certified Products   | Product Brand         | Location   |
|-----|-----------------------------------|--|-----------------------|--|
| 1   | Lida Packaging Products Ltd       | Non-medical face masks made from 100% polypropylene (Four layers)  | Lida                  | Plot 185, Kampala - Jinja road, Mbalala                            |
| 2   | Southern range Nyanza Limited     | Non medical face masks made from a blend of 65% polyester and 35% Cotton (Two layers)  | Nytil                 | Plot 35, Yusuf Lule Road-Jinja, Njeru, Buikwe District             |
| 3   | Evergreen Safaries limited        | Non medical face masks made from a blend of 65% Polyester and 35% Cotton   | Ever green            | Mutundwe Nalumuye -Jomayi Estate                                   |
| 4   | Jude color solutions Limited      | Non medical face masks made from a blend of 65% polyester and 35% cotton (Two layers)  | Jcs                   | Plot 6 Johnson street, Kampala                                     |
| 5   | Winfred Fashion designers Limited | Non medical face masks made from a blend of 65% Polyester and 35% Cotton (Two layers)  |                       | Ntinda Bukoto road , Plot 4090                                     |
| 6   | Fine Spinners Limited             | Non medical face masks made from a 100% Knitted Cotton (Two layers)<br>Non medical face masks made from a blend of 65% polyester and 35% Cotton (Two layers) | Fine Spinners Knitted | Plot 33A-41ASpring road, KiswaZone Bugolobi                        |
| 7   | Beier Safety and Security Limited | Non medical face masks made from a blend of 65% polyester and 35% Cotton (Two layers)  |                       | Plot 71 Nkurumah Road, Sal Building                                |
| 8   | Graphic systems (U) Ltd           | Non medical face masks made from a blend of 65% polyester and 35% Cotton (Two layers)  |                       | Plot 8 Buvuma road, Luzira   |
| 9   | Unique Uniform Manufacturer Ltd   | Non medical face masks made from a blend of 65% polyester and 35% Cotton (Two layers)  |                       | Uganda House   |
| 10  | Sigma Knitting Industries Limited | Non medical face masks made from a blend of 65% polyester and 35% Cotton (Two layers)  | Sigma                 | Plot 6, Kimaka Industrial Area                                     |
| 11  | Mmacks Investment Ltd             | Non medical face masks made from a blend of 65% polyester and 35% Cotton (Two layers)  | Mmacks                | Plot 4171, Block 313 Mityana Road, Buloba. P.O. Box 36260, Kampala |

|    |   |   |                        |   |
|----|---|---|------------------------|---|
| 12 | Fundi Building centre Ltd                 | Non medical face masks made from a blend of 65% polyester and 35% Cotton (Two layers)   |                        | Buloba  |
| 13 | Ex-ken (U) Limited                        | Non medical face masks made from a blend of 65% polyester and 35%-outer layer , inner layer-100% Cotton (Two layers)          | Ekul                   | Plot 17 Mulwana Road Industrial Area                              |
| 14 | The King Murungi Fashions Ltd             | Non medical face masks made from a blend of 65% polyester and 35% Cotton (Two layers)   | Queens                 | Plot 1179-2,9181 Gaba Road, Kings Gate Mall                       |
| 15 | Najeru packaging industries Ltd           | Non medical face masks made from 100% polypropylene (Four layers)   |                        | Plot 56/58, Walukuba, Masese Road, Jinja                          |
| 16 | Youth save the nature Uganda Limited      | Non medical face Masks made from 100% cotton ( Two layers)  | YSTN                   | Plot 4B, Mutundwe Road, Nalukolongo - Kampala                     |
| 17 | Christex Garment industry                 | Non medical face masks made from a blend of 65% polyester and 35% Cotton (Two layers)   | PV Brand               | Plot 484, Old Kiira, road-Bukoto                                  |
| 18 | Jayne collection and events               | Non medical face masks made from 100% Cotton (Two layers)   | Jayne                  | Kirabo Complex, Plot 2817, Bukoto , Kisasi Road,Room 19, Level 1  |
| 19 | Prince Orient Uganda Limited              | Non medical face masks made from a blend of 65% polyester and 35% Cotton (Two layers)   |                        | Plot 7265,Block 244, Kisugu                                       |
| 20 | Tenge Collection Limited                  | Non medical face masks made from a blend of 65% polyester and 35% Cotton (Two layers)   |                        | Plot 8095, Block 224, Kabalagala Next to Hotel Acacia             |
| 21 | Big Concepts Enterprises Ltd              | Non medical face masks made from a blend of 65% polyester and 35% Cotton (Two layers)   |                        | Victor house, Plot 2573, Port Bell Road, Kitintale                |
| 22 | Silk Events Limited                       | Non medical face masks made from Chiffon (Inner layer) and a blend of 65% polyester and 35% Cotton-outer layer (Three layers) | Silk Non medical masks | Plot 132 Spring Road Bugolobi                                     |
| 23 | SCD (Uganda) limited                      | Non medical face masks made from a blend of 65% polyester and 35% Cotton (Two layers)   | Darling fabric mask    | Plot 864, 865, 1556, 2706, Bweyogerere - Industrial Area, Namanve |
| 24 | Lurtex Textiles Limited                   | Non medical face masks made from a blend of 65% polyester and 35% Cotton (Two layers)   |                        | Kapeeka Industrial Area   |
| 25 | Uganda Industrial Research Institute      | Non medical face masks made from 100% Cotton (Two layers)   |                        | Kampala Industrial and Business Park, Namanve                     |
| 26 | Fresh fashions Collections Limited        | Non medical face masks made from a blend of 65% polyester and 35% Cotton (Two layers)   |                        | Lugujja kalema road   |
| 27 | Sumaco Enterprises Limited                | Non medical face masks made from 100% polypropylene (Two layers)  | Sumask                 | Nakasozzi Buddo   |
| 28 | Lavie Boutique Ltd                        | Non medical face masks made from a blend of 65% polyester and 35% Cotton (Two layers)   | Lavie face masks       | Plot 35 , Kimera Close Ntinda                                     |
| 29 | Kwera Ltd                                 | Non medical face masks made from 100% Cotton (Two layers)   |                        | Kawempe, Kalule Zone  |
| 30 | Kyoga Millers (U) Limited                 | Non medical face masks made from a blend of 65% polyester and 35% Cotton (Two layers)   |                        | Kyaliwajjala, Off-Namugongo Road, Kira Municipality - Wakiso      |
| 31 | Lily Benefit Investment Limited           | Non medical face masks made from 100% Cotton (Two layers)   |                        | Plot 16 Nalukolongo Ring Road                                     |
| 32 | Gabirica Garments Limited                 | Non medical face masks made from 100% Cotton (Two layers)   | Gabirica               | Plot 1173 off Ssebagala Road, Kikulu Zone, Kisaasi - Kampala      |
| 33 | Yaket International Limited               | Non medical face masks made from 100% polypropylene (Four layers)   | Yaket                  | Plot 282 Kiwenda, Gayaza--Zirobwe Road - Wakiso                   |
| 34 | The Northern Rock Investments (U) Limited | Non medical face masks made from tChiffon (Two layers)  | Johnson                | Plot 3369, Marcella Mukasa B, Namanve - Mukono                    |
| 35 | Geno-Hitech Uganda Limited                | Non medical face masks made from 100% Cotton (Two layers)   | F20                    | Plot 301, Block 33, Wankulukuku- Rubaga Division                  |

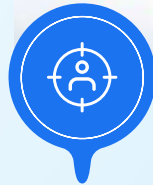
# CORE VALUES



**Professionalism**



**Innovation**



**Integrity**



**Customer focus**



**Teamwork**

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To provide standards, measurements and conformity assessment services for improved quality of life.

## Vision:

A leading institution of international repute in provision of sustainable standardization services.



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## UGANDA NATIONAL BUREAU OF STANDARDS

### UNBS TESTING LABORATORIES



**TO  
OUR HEAD  
OFFICES IN  
BWEYOGERERE**

The Uganda National Bureau of Standards (UNBS) informs the public that the UNBS Testing laboratories;

- Chemistry Laboratory
- Microbiology Laboratory
- Electrical laboratory

Have been shifted from Nakawa to the UNBS head offices in Bweyogerere.

UNBS is currently receiving **ONLY** critical samples authorized by government in the fight against COVID-19.

The due date for official opening of the laboratories in Bweyogerere shall be communicated.

UNBS continues to perform its mandate of developing, promoting, and enforcing standards in protection of public health and safety, and the environment against dangerous and sub-standard products.



The UNBS modern and internationally accredited testing laboratories in Bweyogerere