

<b>PHARMACY AND POISONS BOARD</b>	<b>REPORT ON MARKET SURVEILLANCE OF PERSONAL PROTECTIVE EQUIPMENT</b>	<b>PPB/MIP/PMS/RPT/02/20-21</b>
		<b>Revision 0.</b>

**REPUBLIC OF KENYA**



**MINISTRY OF HEALTH  
PHARMACY AND POISONS BOARD**

**REPORT ON POST-MARKET SURVEILLANCE OF PERSONAL PROTECTIVE EQUIPMENT IN THE KENYAN MARKET**

**NOVEMBER, 2020**

## Table of Contents

<b>ABBREVIATIONS AND ACRONYMS</b> .....	<b>3</b>
<b>DEFINITION OF TERMS.</b> .....	<b>4</b>
<b>EXECUTIVE SUMMARY</b> .....	<b>5</b>
<b><u>1 INTRODUCTION</u></b> .....	<b>6</b>
1.1 BACKGROUND.....	6
1.2 JUSTIFICATION .....	6
1.3 OBJECTIVES.....	6
<b><u>2 CHAPTER TWO: METHODOLOGY</u></b> .....	<b>7</b>
2.1 SURVEY SCOPE .....	7
2.2 SURVEY DESIGN.....	7
2.3 SURVEY POPULATION .....	7
2.4 SAMPLING OF HEALTH FACILITIES .....	7
2.5 SAMPLING OF PRODUCTS AT HEALTH FACILITIES.....	7
2.6 SECONDARY SAMPLING PROCEDURE .....	7
2.7 FIELD WORK .....	8
2.8 LABORATORY ANALYSIS .....	10
2.8.1 SPECIFICATION FOR SURGICAL MASKS (KS 2636:2016).....	10
<b><u>3 RESULTS AND FINDINGS FOR SURGICAL FACE MASKS</u></b> .....	<b>13</b>
3.1 LABORATORY ANALYSIS RESULTS FOR SET ONE OF SURGICAL FACE MASK .....	13
3.2 LABORATORY ANALYSIS RESULTS FOR SET TWO OF SURGICAL FACE MASKS.....	17
3.2 DISCUSSIONS OF THE FINDINGS .....	26
<b><u>4 REGULATORY ACTIONS AND RECOMMENDATIONS</u></b> .....	<b>26</b>
<b><u>5 REFERENCES</u></b> .....	<b>27</b>
ANNEX I: SAMPLE COLLECTION FORMS (PRODUCT DETAILS) .....	28
ANNEX II: SAMPLE COLLECTION FORMS (FACILITY DETAILS).....	29
ANNEX III: EXCEL AGGREGATION TOOL FOR SAMPLES COLLECTED FROM NYANZA, WESTERN, NORTH RIFT, SOUTH RIFT, CENTRAL, UPPER EASTERN, COAST AND LOWER EASTERN REGIONS .....	30

## **ABBREVIATIONS AND ACRONYMS**

COVID	Coronavirus Disease
EAS	East African Standard
KEBS	Kenya Bureau of Standards
KS	Kenya Standard
LTD	Limited
MoITED	Ministry of Industrialization, Trade and Enterprise Development
MLS	Millilitres
NO	Number
NRB	Nairobi
PMS	Post market Surveillance
PPB	Pharmacy and Poisons Board
PPE	Personal Protective Equipment
P.O	Post Office
PVT	Private
REF	Reference
SM	Standardization Mark
S/N	Serial Number
UCR	Unique Consignment Reference
V/V	Volume per Volume
WHO	World Health Organization

**Definition of terms.**

**Surgical mask-** A medical device covering the mouth, nose and chin which provides a barrier to minimize the direct transmission of infectious agents. The following are types of surgical masks;

**Type 1 mask-** Fluid shield mask with or without eye shield

**Type 2 mask-** Particulate filtration respirator

**Type 3 mask-** Fog free mask for use with spectacles

**Type 4 mask-** Mask for use by persons with sensitive skin

**Type 5 mask-** Standard mask

## **EXECUTIVE SUMMARY**

Surgical face masks are key tools utilized to control and prevent the spread of the novel SARS-CoV-2 (corona virus)

The quality and compliance of specifications of surgical face masks is critical in their efficacy in prevention and control of the spread of COVID 19 pandemic. In light of the above, there is need to monitor and ensure quality of products circulating in the market in order to effectively combat COVID-19 pandemic.

The objective of the activity was to assess the quality status of surgical masks circulating in the Kenyan market. The field activity entailed collection of samples of surgical masks. The products were sampled from healthcare facilities and other stores in both public and private sector (pharmaceutical outlets, hospitals, supermarkets, central stores and from hawkers) in the following Counties; Kirinyaga, Muranga, Nyeri, Nyandarua, Kiambu, Marsabit, Isiolo, Meru, Embu, Tharaka-Nthi, Laikipia, West Pokot, Trans-Nzoia, Baringo, Elgeyo-Marakwet, Uasin-Gishu, Kericho, Bomet, Nakuru, Nandi, Narok, Kisumu, Migori, Homabay, Siaya, Nyamira, Kisii, Bungoma, Busia, Kakamega, Vihiga, Mombasa, Kwale, Kilifi, Taita-Taveta, Makueni, Kitui and Machakos.

A total of two hundred and thirty-six (236) samples have been collected so far. Two sets of surgical masks collected from Nyanza, Western, North and South rift regions have been subjected to laboratory analysis at the KEBS laboratory and the results have been obtained. The products were tested against the KEBS standard (**KS 2636:2016**).

The results from analysis of the first set of thirty-five samples (35) found that 33 samples (94.3%) complied with the specification for surgical masks (KS 2636:2016) on aerosolized bacterial filtration efficiency in % (min 98%). The results for the second set of samples (45) found that all the samples (100%) complied with the specification for surgical masks (KS 2636:2016) on aerosolized bacterial filtration efficiency in % (min 98%).

The first set of samples that were subjected to laboratory analysis comprised of secondary sample ( $N=35$ ) that was drawn from a pool of primary sample ( $P=88$ ). The second set of samples comprised of a secondary sample ( $N=45$ ) which was drawn from a pool of primary sample ( $P=57$ )

The remaining set of surgical masks will undergo secondary sampling and subsequently be submitted to the laboratory for analysis. using the KEBS standard.

Regulatory actions for products that fail to comply with specifications include removal of harmful/sub-standard products from the market and building the capacity of the manufacturers through physical visits and training on Batch Manufacturing Records (BMR) and labeling requirements in order to enhance compliance for the subsequent batches.

# **1 INTRODUCTION**

Surgical face masks act as an effective means to reduce the risk of disease transmission between infected and non-infected persons.

The quality and compliance of specifications of surgical face masks is critical in their efficacy in prevention and control of the spread of COVID 19 pandemic. In light of the above, there is need to monitor and ensure quality of products circulating in the market in order to effectively combat COVID-19 pandemic.

## **1.1 BACKGROUND**

Surgical masks are critical products that are utilized in the prevention and control of Corona virus COVID-19 (SARS-CoV-2) pandemic. To effectively utilize these commodities in combat of the COVID-19 disease, it is important to assure quality of the various products circulating in the Kenyan market.

## **1.2 JUSTIFICATION**

The Pharmacy and Poisons Board has received market complaints on suspected poor quality/ sub-standard surgical masks circulating in the Kenyan market. These reports point to the need of monitoring quality of these COVID-19 health products and health technologies circulating in the Kenyan market

## **1.3 OBJECTIVES**

Main Objective

The main objective of this survey is to assess the quality status of surgical masks circulating in the Kenyan market.

Specific objectives

The specific objectives of the survey are;

1. To Carry out sampling of surgical masks circulating in Kenyan market
2. To Conduct laboratory testing of surgical masks to check their quality
3. To Implement appropriate regulatory actions based on the findings of the quality survey

## **2 CHAPTER TWO: METHODOLOGY**

### **2.1 Survey scope**

This survey covered all the 38 Counties in Kenya.

### **2.2 Survey design**

This was a descriptive and cross-sectional survey that applied quantitative data collection methods

### **2.3 Survey Population**

The study population included public, private and faith-based health facilities in 39 counties across the Country.

### **2.4 Sampling of health facilities**

Stratified purposive sampling of health facilities across the different tiers was applied. The list of healthcare facilities, pharmaceutical outlets and central stores visited is annexed in the excel aggregation tool (annex xxx)

### **2.5 Sampling of products at health facilities**

At each health facility, the surgical masks that were in stock were sampled. This was done in consideration of diversification for brand, region, batch and the manufacturers. The approach was aimed at minimizing duplication of samples.

The list of surgical masks that were sampled is annexed in the excel aggregation tool (annex xxx)

### **2.6 Secondary Sampling Procedure**

The products that were collected from the field were subjected to secondary sampling to come up with a secondary sample ( $N$ ) which is to be subjected to laboratory analysis to test their quality.

The number of secondary samples was determined by the following considerations;

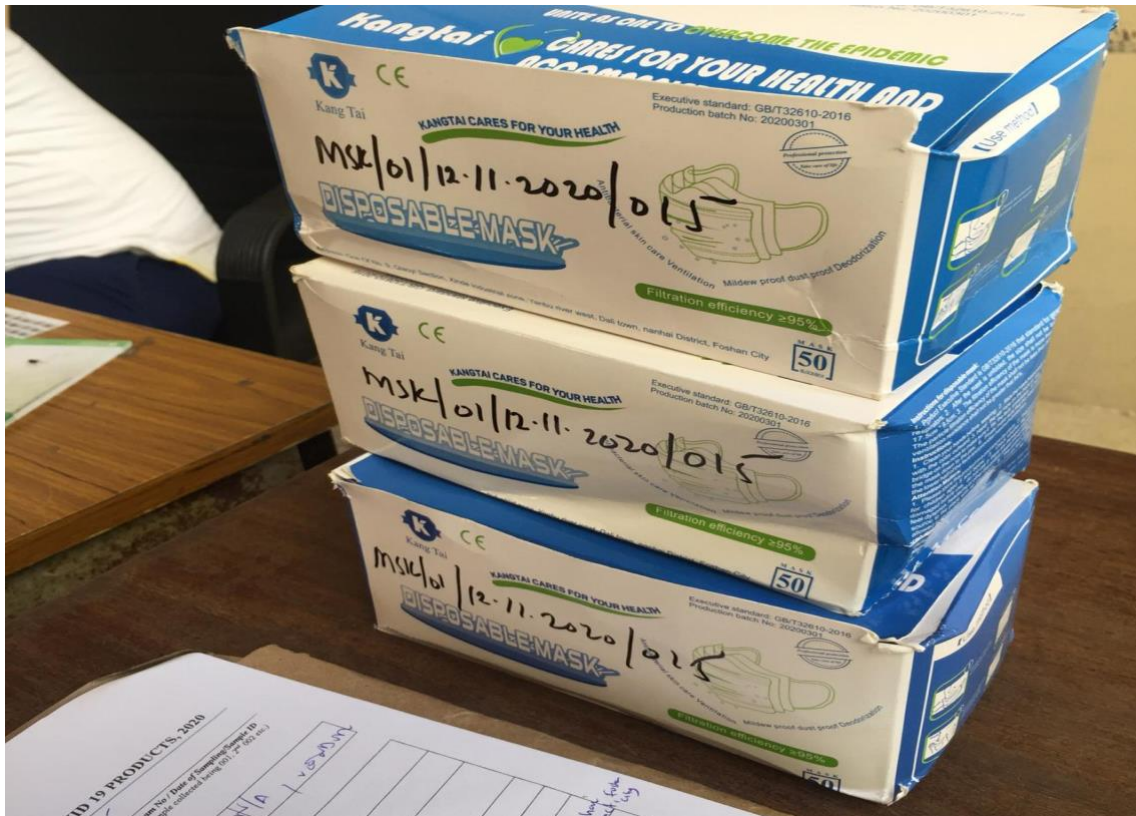
1. Regional representation of the samples
2. Brand diversification of the samples

Exclusion criteria;

1. Samples that did not meet the minimum quantity required for analysis

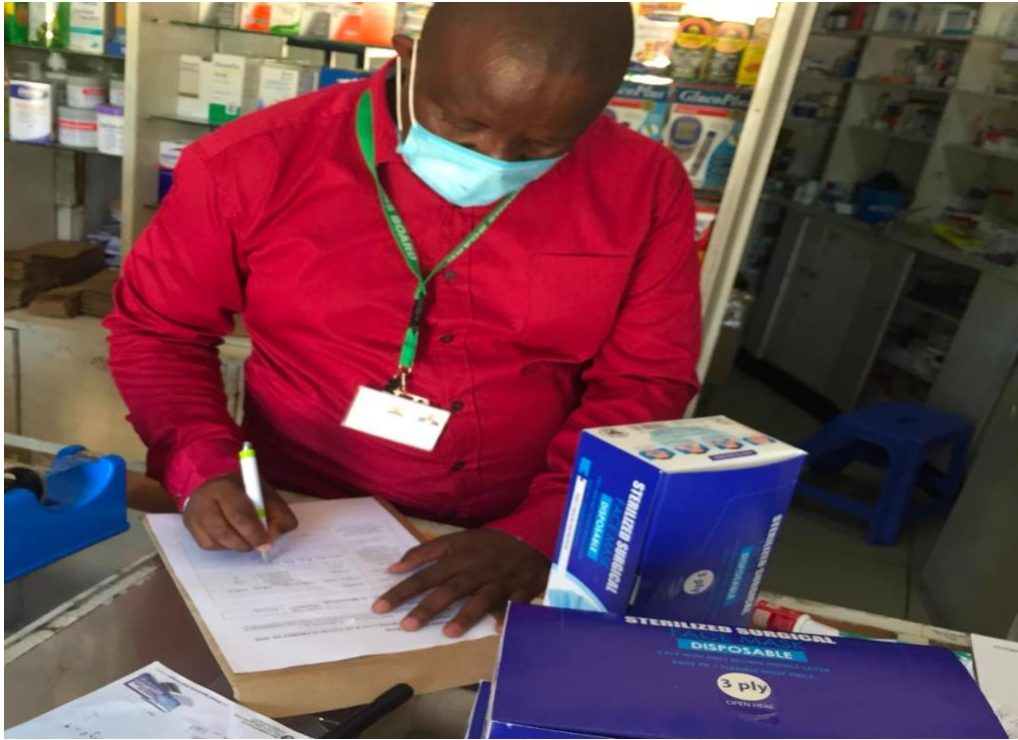
## 2.7 Field Work

Field work was carried out for a period of 52 days between 31<sup>st</sup> August and 21<sup>st</sup> November, 2020. Samples were collected and labelled accordingly while sample details and facility details were filled in the sample collection forms and facility forms respectively (**Annex I**). The same data was populated on excel aggregation tools created for this purpose.



**Figure 1: A sample of surgical face masks that was collected by the Post -Market Surveillance team**





**Figure 2: One of the Post-Market Surveillance officers carrying out sampling of surgical face masks**



**Figure 3: Post-market surveillance team visiting the Coast General Provincial Hospital for market surveillance of Personal Protective Equipment**

## **2.8 Laboratory Analysis**

The samples were analysed using official methods and against KEBS standard and internationally acceptable standards and specifications. External testing was carried out at the Kenya Bureau of Standards (KEBS) laboratory. Analysis report was compiled and submitted to PPB by the KEBS team.

### **2.8.1 SPECIFICATION FOR SURGICAL MASKS (KS 2636:2016)**

#### **2.8.1.1 General requirements**

All materials used in the composition of a mask shall be free from latex and glass.

##### **2.8.1.1.1 Mask layers**

The requirements for the different layers of material for each type of mask are as shown in table 2.

##### **2.8.1.1.2 Tape**

The tape shall be spun bonded polypropylene tape ultrasonically sewn to the mask. The tensile strength of the attaching of the tape to the mask shall be at least 20 N when tested in accordance with SANS 13934-1

##### **2.8.1.1.3 Elastic**

The Elastic shall be a synthetic elastomeric material of approximate width of 5 mm. The length shall be such that the elastic fits comfortably around the head of the wearer

##### **2.8.1.1.4 Nose piece**

The nose piece shall be flexible strip of aluminium, plastics or similar material of normal width 3 mm which enables the mask to be shaped comfortably around the nose and face

##### **2.8.1.1.5 Reinforcing strip**

Shall be a strip of synthetic spun bonded material

##### **2.8.1.1.6 Foam strip**

The foam strip shall be a polyurethane foam strip of width of 25 mm and normal thickness of 1 mm.

##### **2.8.1.1.7 Workmanship**

The masks shall be made with first class workmanship throughout and shall be free from defects that affect their appearance or may affect their serviceability (or both), and free from marks, spots or stains incurred during production.

### 2.8.1.1.8 Design and Size

The masks, types 1, 3, 4 and 5 shall be rectangular in shape and shall be of finished width 180mm and finished depth 95 mm. The masks shall be pleated horizontally and the edges ultrasonically sealed with tape.

### 2.8.1.2 Packaging Requirements

The following packaging requirements shall apply for the surgical masks;

- a) Surgical masks shall be packed 50 pieces in a box
- b) The boxes shall allow for ease dispensing whether upright or inverted
- c) The pack shall be free of contaminants

### 2.8.1.3 Labelling

- a) The following labelling requirements shall apply for surgical masks;
- b) Labelling shall be legible
- c) Labelling shall be in English imprinted in indelible ink with bold block letters
- d) Labelling shall have the manufacturers name and address
- e) Shall have date of manufacture and expiry date
- f) Each box and carton shall be, clearly labelled with the name and characteristics if the article and batch number
- g) Each box shall indicate the number of units and weight

**Table 2: The requirements for the different layers of material for each type of mask**

	1	2	3	4	5	6	7
Property	Requirement						Test method
	Type of mask						
	Type 1	Type 2	Type 3	Type 4	Type 5		
Fibre composition min.							AATCC test method 20/KS 1SO 1833
1 <sup>st</sup> layer (outermost)	Cotton and polyester	Polypropylene	Polypropylene	Cotton and polyester	Cotton and polyester		
2 <sup>nd</sup> layer	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene		
3 <sup>rd</sup> layer	Polypropylene	Polypropylene	Cotton and polyester	Cotton and polyester	Cotton and polyester		
4 <sup>th</sup> layer	Cotton and polyester	Polyester and polypropylene					
<b>Mass per unit</b>							SAN S

	<b>area, g/m<sup>2</sup>, min.</b>						79/ KS ISO 308 1
	1 <sup>st</sup> layer (outermost)	19	35	24	20	20	
	2 <sup>nd</sup> layer	18	87	22	15	15	
	3 <sup>rd</sup> layer	29	32	19	19	19	
	4 <sup>th</sup> layer	19	20				
	Tensile strength, N min.						SAN S 563 7
	1 <sup>st</sup> layer (outermost)	1.7	5.7				
	2 <sup>nd</sup> layer	1.0	3.4	5.4	1.7	1.7	
	3 <sup>rd</sup> layer	1.8	1.5	1.0	1.0	1.0	
	4 <sup>th</sup> layer	1.9	2.9	1.4	1.4	1.4	
iv)	Absorption rate, s, min, 1 <sup>st</sup> layer	>60 <sup>a</sup>	>60 <sup>a</sup>	>60 <sup>a</sup>	>60 <sup>a</sup>	>60 <sup>a</sup>	SAN S 526 3
v)	Water vapor transfer g/m <sup>2</sup> /24 h,min.	3767 <sup>b</sup>	4040 <sup>b</sup>	3872 <sup>b</sup>	3767 <sup>b</sup>	3767 <sup>b</sup>	SAN S 616 3
vi)	Penetration %,min.	30	4	24	26	26	5.1
vi i)	Differential pressure, Pa, min.	56	357	40	30	35	5.1
vi ii)	Aerosolized bacterial filtration efficiency, %, min	98	98	98	98	98	5.2
<sup>a</sup> Sample does not absorb water							
<sup>b</sup> Tested as composite							

### 3 RESULTS AND FINDINGS FOR SURGICAL FACE MASKS

#### 3.1 Laboratory analysis results for SET ONE of surgical face mask

Serial No.	Sample Code	Product Brand Name	Define Pack Size	Manufacturer	Manufacturer Address	Batch or Lot No.	Lab Ref. No	Aerosolized Bacteria Filtration efficiency in % (min 98%)	Comments
1	Msk/02/31.08.20 20/006	Finlay mask	50s	Finlays Brushware Ltd	Off Clesoi road, off lunga lunga, nairobi	001/FIN/20 20	SA20 20- 033	99.0	pass
2	Msk/02/31.08.20 20/009	Protomask Disposable Protective face mask	50s	Crown Solutions Ltd	Crownplex, Mombasa Road, Opp JKIA Flyover-Nairobi	CSL/P/06/2 020	SA20 20- 034	98.8	pass
3	Msk/02/31.08.20 20/010	Surgical face mask	50s	Shabnam Internationals (K) Ltd	Nairobi kenya	Not Indicated	SA20 20- 055	99.0	pass

4	Msk/02/01.09.20 20/012	Sueng surgical mask	50s	Sueng Enterprise s ltd	Kotch road,off Mombasa road Nairobi	2020080800 1	SA20 20- 036	99.8	pass
5	Msk/02/02.09.20 20/013	Premiu m face mask	25s	Not Indicated	Not Indicated	Hg 18657	SA20 20- 037	97.9	fail
6	Msk/02/02.09.20 20/014	3-Ply Face Mask	50s	Onkod Company Ltd	Off Clesoi road,off lunga lunga,nairobi	FM001/20/0 7/15	SA20 20- 038	97.5	fail
7	Msk/02/02.09.20 20/015	SUMBO W Face Mask	50s	SUMBOW Medical Instrumen t	16F Chengtou Building,No 68 Heji street China	16506	SA20 20- 039	99.5	pass
8	Msk/02/03.09.20 20/017	Disposa ble facema sk	50s	Maz Internatio nal Ltd	Nairobi,Kenya	Not Indicated	SA20 20- 062	99.2	pass
9	Msk/02/03.09.20 20/019	Surgica l face mask	50s	T.I.L	Nairobi,Kenya	Not Indicated	SA20 20- 040	99.5	pass
10	Msk/02/03.09.20 20/020	Naxsafe	50s	FBL	Nairobi,Kenya	6	SA20 20-41	99.8	pass
11	Msk/02/04.09.20 20/033	Earloop Face Mask	50s	Not Indicated	Not Indicated	202004	SA20 20-42	99.4	pass
12	Msk/02/04.09.20 20/034	Disposa ble facema sk	50s	Not Indicated	Not Indicated	Not Indicated	SA20 20-43	99.7	pass
13	Msk/02/04.09.20 20/035	Facema sk,	50s	Not Indicated	Not Indicated	Not Indicated	SA20 20-44	99.5	pass

14	Msk/02/05.09.20 20/040	Facemask- Disposable	50s	Anhuj Jinaxtu Medical equipment Co.Ltd	China	Not Indicated	SA20 20-45	99.5	pass
15	Msk/02/07.09.20 20/043	Facemask- Surgical disposable	50s	T.I.L	Nairobi kenya	Not Indicated	SA20 20-46	99.7	pass
16	Msk/02/07.09.20 20/044	Unimed 3ply	50s	Not Indicated	Not Indicated	20020-06	SA20 20-47	99.7	pass
17	Msk/02/07.09.20 20/047	Medi Mask	50s	Crown Solutions Ltd	Crownplex, Mombasa Road, Opp JKIA Flyover-Nairobi	CSL/M/06/2020	SA20 20-48	99.5	pass
18	Msk/01/03.09.20 20/015	Disposable Face Mask	50s	Not Indicated	Not Indicated	NK201811	SA20 20-49	99.6	pass
19	Msk/02/08.09.20 20/054	Facemask,	50s	Onkod Company Ltd	off Clesoi road, off lunga lunga, nairobi	FM001/20/06/08	SA20 20-50	99	pass
20	Msk/02/08.09.20 20/056	Medical Face mask	50s	Changzhou Jiapi Electronic Technology Co.Ltd	Puan Industry Park, banshang, Ijia Town- Changzhou China	D202004F	SA20 20-51	99.3	pass
21	Msk/02/08.09.20 20/057	Disposable Medical mask	50s	Yangzhou Yurun Technology	Tongda Road, Touqiao Town, Guangloing	20200408	SA20 20-52	99.6	pass

				Development Co Ltd	District, Yiangsu Province-China				
22	MSK/01/01.09.20 20/001	Stay Safe	50s	Springs Ltd	<u>Nairobi, Kenya</u>	Not indicated	SA20 20-53	99.4	pass
23	MSK/01/02.09.20 20/007	Eako Disposable face Mask	50s	Eako Holdings Ltd	Nairobi, Kenya	Not Indicated	SA20 20-054	98.4	pass
24	MSK/01/02.09.20 20/010	Face Mask Disposable	50s	Foam. Mattresses Ltd	Kisumu, Kenya	Not Indicated	SA20 20-035	99.1	pass
25	MSK/01/02.09.20 20/011	Revital	100s	Revital Healthcare (EPZ) Ltd	Mombasa, Kenya	01 06 20	SA20 20-056	99.7	pass
26	MSK/01/03.09.20 20/014	Self Priming Filtration Breathe Healthier	50s	Jiangxi Yanqi Medical Equipment Co., Ltd	East Industrial Park, Tongxu County, Kaifeng City, Henan Province	20200308	SA20 20-057	99.3	pass
27	MSK/02/03.09.20 20/020	Kangtai Disposable Mask	50s		Nanghai District, foshar City	Not Indicated	SA20 20-058	99.3	pass
28	MSK/02/04.09.20 20/026	Power	50s	Polythene Industries Ltd	Nairobi, Kenya	Not Indicated	SA20 20-059	99.2	pass
29	MSK/02/04.09.20 20/028		50s	MCL Ltd		Not Indicated	SA20 20-060	99.1	pass



30	MSK/02/04.09.20 20/029	Protective Face mask	50s	Not Indicated	Not Indicated	Not Indicated	SA20 20- 067	99.5	pass
31	Msk/02/20.04.20 20/001	Face mask surgical Disposable	50	Not Indicated	Not Indicated	Not Indicated	SA20 20- 061	98.8	pass
32	MSK/01/20.04.20 20/005	Not Indicated	50s	Not Indicated	Not Indicated	Not Indicated	SA20 20- 063	98.2	pass
33	MSK/01/18.05.20 20/021	Not Indicated	50s	Not Indicated	Not Indicated	Not Indicated	SA20 20- 065	99.3	pass
34	MSK/02/19.05.20 20/025	surgical single use only	50s	Harleys Ltd		Not Indicated	SA20 20- 066	98.7	pass
35	MSK/02/20.05.20 20/033	Disposable Face Mask	50s	Revital Healthcare (EPZ) Ltd	Jomvu, MOMBASA KENYA	70320	SA20 20- 064	99.4	pass

### 3.2 Laboratory analysis results for SET TWO of surgical face masks

Serial No.	Sample Code	Sector of Facility	Name of Facility	County	Product Brand Name	Define Pack Size	Manufacturer	Manufacturer Address	Batch or Lot No.	QC REF NO	Aerosolized bacterial filtration efficiency (minimum 98%)	Remarks
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1	MSK/02/22.09.2020/01	Public	Nakuru County Referral Hospital	Nakuru	Disposable daily protective mask	50	Jiangra Kubaoya Intelligent Technology CO., Ltd	Lijia Town Wujin, Changzhou Jiangsu, China	MY202007-23	SA2020-073	99.2	complies
2	MSK/02/22.09.2020/02	Private	Lab Supplies	NAkuru	Disposable protective mask	50	Zhejiang Yibei New Materail Technology Co., Ltd	HongxingQiao Industrial Zone, Changxing City, Zhejiang Province, China	Not indicated	SA2020-074	99.3	complies
3	MSK/02/22.09.2020/003	Private	Nilson Pharmaceuticals Ltd	Nakuru	Disposable masks	50	Jiu You Yi Liao Qi Xie	Not readable	Not readable	SA2020-075	99.1	complies
4	MSK/02/22.09.2020/06	Private	Woolmart (East) Limited	Nakuru	Promotions surgical masks	50	Promo Kings	P.O. Box 44861-00100 Nrb Kenya	PKL/008/2020	SA2020-076	99.5	complies
5	MSK/02/23.09.2020/07	Private	St. Joseph Hospital	Nakuru	Medimax Masks	50	Foam Mattresses Ltd	Odera Street, Kisumu	Not indicated	SA2020-077	98.6	complies
6	MSK/02/23.09.2020/08	Private	St. Mary's Mission Hospital Rift-Valley	Nakuru	Wemed medical face masks	50	Weigo Medical International Co., Ltd	264210 Weihai Shandong Province, China	202005065	SA2020-078	99.6	complies
7	MSK/02/23.09.2020/09	Public	Narok County Referral Hospital	Narok	Narok County	20	Narok Vocational Training Institute	Narok Town, Behind County Referral Hospital	N/A	SA2020-079	99	complies
8	MSK/02/22.09.2020/05	Private	Philmed Limited		Protomask Disposable	50	Crown Solutions Ltd	Crownplex,, Mombasa Road Opp. JKIA Flyover	Not indicated	SA2020-080	99.2	complies

					protective face mask							
9	MSK/02/24.09.2020/13	Public	Kericho County Referral Hospital	Kericho	Disposable protective mask	50	Ningbo EZ medical Instruments Co. Ltd.	No.17 Shifang industrial Park, Xidian Ninghai ,Ningbo China	20200413	SA2020-081	99.4	complies
10	MSK/02/24.09.2020/14	Private	Siloam Hospital Ltd - Kericho	Kericho	Face mask (Surgical disposable 3ply ties type)	50	Anji Speng Industries Ltd	Zhejiang Province, China	19111002	SA2020-082	98.8	complies
11	MSK/02/25.09.2020/15	Public	Kapsabet County Referral Hospital	Kapsabet	Way mask medical face masks	50	Wayson Medical Co., Ltd	No. 81, Junfeng Road, Huangpu, Guangzhou, China 510760	999001A	SA2020-083	99.5	complies
12	MSK/01/30.09.2020/28	Private	Pope Benedict XVI Hospital	Laikipia	Face mask earloop	50	Made in China	Not indicated	202004	SA2020-084	99.4	complies
13	MSK/02/26.09.2020/18	Private	Medschem Pharmacy Limited	Uasin Gishu	Oasis surgical disposable protective face masks	50	Elite Offset Ltd	P.o. Box 3179 - 00506 Nairobi, Kenya	07/2020002	SA2020-085	99.4	complies
14	MSK/02/26.09.2020/19	Private	Harleys Limited	Uasin Gishu	Medimax surgical	50	Foam Mattresses Ltd	Odera Street, Kisumu	Not Indicatd	SA2020-086	98.8	complies

					face masks							
15	MSK/01/25.09.2020/17	Private	Asis Pharmacy Services	Kericho	3 Ply Disposable surgical mask	50	NES POLYPACK LTD	P.O Box 61223-00200 Nairobi, Kenya	Not indicated	SA2020-087	99	complies
16	MSK/01/24.09.2020/15	Private	Tealands Chemist Ltd	Kericho	Medi mask disposable surgical face mask	50	Crown Solutions Ltd	Crownplex,, Mombasa Road Opp. JKIA Flyover	CSL/M/06/2020	SA2020-088	99.1	complies
17	MSK/02/28.09.2020/22	Private	Toror Pharmacy	West Pokot	Surgical masks	50	Arax Mills Ltd	Off Enterprise Road, Industrial Area P.O. Box 688 - 00606 Nairobi	Not indicated	SA2020-089	99.5	complies
18	MSK/02/29.09.2020/23	Public	Iten County Referral Hospital	Elgeyo-Marakwet	Kangtai disposable masks	50	Kang Tai	Qiaoji Section, Xinde Industrial Zone, Yanbl, Dali Town, Nanhai District, Firhan City	20200301	SA2020-090	99.1	complies
19	MSK/02/29.09.2020/24	Public	Baringo County Referral Hospital	Baringo	Yi yuan disposable masks	50	Fanzhai Village Committee, Yuhuangmia o Township	Pingyu County, Zhumadian City, Henan Province	200407	SA2020-091	99.6	complies

20	MSK/02/29.09.2020/25	Public	Baringo County Referral Hospital	Baringo	Surgical disposable 3 ply earloop mask	20	China		LSD007	SA2020-092	99.1	complies
21	MSK/02/29.09.2020/27	Public	Nyahururu County Referral Hospital	Laikipia	Finlay disposable surgical masks	50	Finlay Brushware Limited	Off Clesoi Road, Lunga Lunga Road, Industrial Area, P.O. Box 42367 - 00100 NRB-Kenya	004/FIN/2020	SA2020-093	99.2	complies
22	MSK/02/30.09.2020/28	Private	Pope Benedict XVI Hospital	Laikipia	Vitalcare surgeons face masks	50	Xiantao Fortune Medical Supplies Co., Ltd	New Street, Hechang Town	VC1809534	SA2020-094	99.3	complies
23	MSK/01/22.09.2020/01	Private	Rangechem Pharmaceuticals Ltd	Nakuru	BST disposable protective mask	50	Chongqing Best Non-Woven Co., Ltd	Qijiang Industrial Park, Chongqing, China	20200418	SA2020-095	99	complies
24	MSK/01/22.09.2020/02	Private	Vendor/Hawker	Nakuru		50	Eako Holdings Ltd	P.O. Box 50606 - 00200 NRB - Kenya	Not indicated	SA2020-096	99.2	complies
25	MSK/01/22.09.2020/03	Private	Elica Stationery Supplies	Nakuru	Power disposable face mask	50	Polythene Industries Ltd	P.O. Box 17931 - 00500 NRB - Kenya	Not indicatd	SA2020-097	99.2	complies
26	MSK/01/22.09.2020/04	Private	Elica Stationery Supplies	Nakuru	Eako surgical face mask	50	Eako Holdings Ltd	P.O. Box 50606 - 00200 NRB - Kenya	Not Indicatd	SA2020-098	99.2	complies

27	MSK/01/22.09.2020/08	Private	Crater Pharmaceuticals Ltd	Nakuru	One-time protective comfort mask	50	Guangzhou Beikag Technology Co., Ltd	Not indicated	BK100	SA2020-099	99.6	complies
28	MSK/01/22.09.2020/09	Private	Nakuru Afya Chemist Ltd	Nakuru	Medimax surgical face masks	50	T.F.L.	P.O. Box 12347 - 00400 Nairobi	Not indicatd	SA2020-100	99.3	complies
29	MSK/01/23.09.2020/10	Private	St. Joseph Hospital	Nakuru	Revital surgical face masks	50	Revital Healthcare (EPZ) Ltd	P.O. Box 80713 - 80100 Mombasa-Kenya	20420	SA2020-101	98.7	complies
30	MSK/01/23.09.2020/11	Public	Naivasha County Referral Hospital	Nakuru	Nthope disposable face mask	50	Nantong Hope Industry & Trade Co., Ltd	No. 1, Group 10, Xiaomaqiao Village, Jiuhua Town Rugao, Jiangsu, China	HP202004	SA2020-102	99.3	complies
31	MSK/01/23.09.2020/12	Private	Naivas Supermarket - Naivasha	Nakuru	Finlay disposable surgical masks	50	Finlay Brushware Limited		004/FIN2020	SA2020-103	99.1	complies
32	MSK/01/24.09.2020/13	Public	Longisa County Referral Hospital - Bomet	Bomet	OptiTect disposable masks	50	OptiTect	China	Not indicatd	SA2020-104	99.2	complies
33	MSK/01/24.09.2020/14	Public	Kericho County Referral Hospital	Kericho	Esound medical surgical masks	20	Esound Medical Device Co., Ltd		200402616	SA2020-105	99.5	complies

34	MSK/01/25.09.2020/18	Public	Moi Teaching & Referral Hospital	Uasin Gishu	NEL surgical disposable masks	50	Onkod Company Limited	Off Clesoi Road, Lunga Lunga Road, Industrial Area, P.O. Box 42367 - 00100 NRB-Kenya	MBLFM1/20/09/08	SA2020-106	99.5	complies
35	MSK/01/26.09.2020/19	Private	Shayona Chemist	Uasin Gishu	Tie-on surgical disposable face masks	50	Onkod Company Limited	Off Clesoi Road, Lunga Lunga Road, Industrial Area, P.O. Box 42367 - 00100 NRB-Kenya	FM002/20/07/13	SA2020-107	99.2	complies
36	MSK/01/26.09.2020/20	Private	Shayona Chemist	Uasin Gishu	Disposable medical mask	50	Shangdong Xiaokang Biotechnology Co., Ltd		20200711	SA2020-108	99.4	complies
37	MSK/01/28.09.2020/21	Public	Kitale County Referral Hospital	Trans Nzoia	JaJ daily protective surgical mask	50	Jiangsu Boluca Fashion Ltd	Miaohong Road, Guli Town, Changsu City, China +86 512 5237 7528	written in Chinese	SA2020-109	99.6	complies
38	MSK/01/28.09.2020/22	Private	Sarara Chemist		3 Ply surgical mask	25	Promo Kings Ltd	Nairobi - Kenya	PKL/002/2020	SA2020-111	99.3	complies
39	MSK/01/28.09.2020/22	Public	Kitale County Referral Hospital	Trans Nzoia	Disposable mask	50	Gaungzhou Yihaodian Medical Technology Co., Ltd	Production Address, Building 12, Baowan Industrial Zone,	202003315	SA2020-110	99.3	complies

								Yonglhun Road, Shilling Town, Guangzhou City				
40	MSK/01/28.09.2020/24	Public	Iten County Referral Hospital	Elgeyo-Marakwet	Disposable protective mask	50	Written in Chinese	Written in Chinese	20200630	SA2020-112	99.2	complies
41	MSK/01/29.09.2020/25	Public	Baringo County Referral Hospital	Baringo	Protective face masks	50	Ammex	Not available		Not indicated	SA2020-113	
42	MSK/01/30.09.2020/26	Public	Nyahururu County Referral Hospital	Laikipia	Disposable face masks with earlops	50	FengQiu Hongrun Protective Products Co., Ltd	27th SishangDistrict, Liuguang Town, FengQiu Xinxiang City, Henan China	20200401	SA2020-114	99.7	complies
43	MSK/01/30.09.2020/27	Private	Pope Benedict XVI Hospital	Laikipia	Revital surgical face masks	50	Revital Healthcare (EPZ) Ltd	LR No. 50251/1239 Msumarini Mombasa - Malindi Road P.O. Box 80713 - 80100 MSA - Kenya	90620	SA2020-115	99.4	complies
44	MSK/01/30.09.2020/29	KEMSA	KEMSA	NAIROBI	Disposable protective mask	50	Huazhou City Xiongbang plastic industry Co. Ltd.	San Di Ling Mao road, Jianjiang District, Huazhou City,	Written in Chinese	SA2020-116	99.2	complies



							Guangdong Province					
45	MSK/01/30.09.2020/30	KEMSA A	KEMSA	NAIROBI	Disposable protective mask	50	Guangzhou huixinlian fine chemical Co. Ltd	Daxiang Industrial zone, Renhe town, Baiyun district, Guangzhou floor1 and floor 2, building a and building B, No. 3, Shunjing road	hHXL-021A	SA2020-117	99.4	complies

### **3.2 Discussions of the findings**

The preliminary results from analysis of the first set of thirty-five samples (35) found that 33 samples (94.3%) complied with the specification for surgical masks (KS 2636:2016) on aerosolized bacterial filtration efficiency in % (min 98%). the results for the second set of samples (45) found that all the samples (100%) complied with the specification for surgical masks (KS 2636:2016) on aerosolized bacterial filtration efficiency in % (min 98%).

The first set of samples that were subjected to laboratory analysis comprised of secondary sample (n=35) that was drawn from a pool of primary sample (p=88). the second set of samples comprised of a secondary sample (n=45) which was drawn from a pool of primary sample (p=57)

## **4 REGULATORY ACTIONS AND RECOMMENDATIONS**

Regulatory actions for products that fail to comply with specifications include removal of harmful / sub-standard products from the market and build the capacity of manufacturers through physical visits, training, BMR and labelling requirements in order to enhance compliance for the subsequent batches, this is in the context of COVID 19 pandemic.

## **5 References**

1. Kenya Standard; Surgical masks-specification: KS 2636:2016, ICS 11.040.30
2. Strategy for post-market surveillance (PMS) of medicines in Kenya.
3. <http://www.industrialization.go.ke/index.php/72-covid-19-intervention/575-guidelines-for-business-operations-during-covid-19>
4. <https://www.who.int/emergencies/diseases/novel-coronavirus-2019>

## Annex I: Sample collection forms (Product details)

### POST MARKET SURVEILLANCE OF COVID 19 PRODUCTS, 2020

Sample Code #: \_\_\_\_\_

*Transcribe the appropriate sample code in the following format: **Formulation code/ Team No / Date of Sampling/Sample ID** e.g. **ABHR/01/21.04.2020/001** (The last 3 digits represent the Sample ID with the first sample collected being 001, 2<sup>nd</sup> 002 etc.)*

#### Origin of Sample

Facility Name:		Facility Code: (Mandatory)	
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#### Product Details

Active Pharmaceutical Ingredient (API): e.g. Ethanol,			
Brand (Product name): (if applicable)			
Dosage Form: (E.g. liquids, gels for hand sanitizers, N/A for medical devices)		Strength/ Concentration (of the ingredients listed)	
Pack Size (e.g. 50mls, 100mls)		No. of units per sample collected	
Name of Manufacturer: (e.g. Novartis Pharma Ltd.)			
Manufacturer Address (Site of Manufacture): (e.g. Suffern, New York, USA)			
Batch or Lot #: (e.g. CF2012A4)		Date of Manufacture: (mmm/yyyy e.g. Mar/2015)	
Expiry Date: (mmm/yyyy e.g. Mar/2019)		Patient Information Leaflet Present? Yes/ No	
Manufacturer storage requirements (°C)			
KEBS Certification code (where applicable)	YES	NO	Others

**Annex II: Sample collection forms (Facility details)**

**Facility Form**

<b>POST MARKET SURVEILLANCE OF COVID 19 PRODUCTS</b>			
Facility Code			
County:			
Name of Facility: (Use name in MFL list if applicable)			
Sector of Facility (Public, Private, Informal)			
Type of Facility (Hospital, Health Center)			
Contact Person: (Name of respondent at facility)			
E-mail address of contact Person:		Mobile number of contact person:	
Date samples were collected at this facility (e.g. 22. 04. 2020)			

**Annex III: Excel aggregation tool for samples collected from Nyanza, Western, North Rift, South Rift, Central, Upper Eastern, Coast and Lower Eastern regions**

Excel aggregation tool for samples collected from Nyanza region (Kisumu, Migori, Homabay, Siaya, Nyamira and Kisii)

S/N	Sample Code	Sector of Facility	Name of Facility	County	Product Brand Name	Manufacturer	Manufacturer Address	Batch or Lot No.
1	Msk/02/31.08.2020/001	Private	Buyimpex Agencies Ltd	Kisumu	Facemask-Surgical disposable	Onkod Company Ltd	Off Clesoi road,off lunga lunga,nairobi	MBLFM5/20/07/24
2	Msk/02/31.08.2020/002	Private	Buyimpex Agencies Ltd	Kisumu	KN95-Face Mask	PKL	Nairobi,Kenya	Not Indicated
3	Msk/02/31.08.2020/003	Private	Kentons Ltd	Kisumu	KN95	Promo kings	Nairobi,Kenya	PKL/007/2020
4	Msk/02/31.08.2020/004	Private	Kentons Ltd	Kisumu	Facemask,M medical 3ply	Promo kings	Nairobi kenya	Pkl/002/2020
5	Msk/02/31.08.2020/005	Private	Kentons Ltd	Kisumu	KN95-Face Mask-Wth respirator	Promo kings	Nairobi,Kenya	PKL/007/2020

6	Msk/02/31.08.2020/006	Private	Kentons Ltd	Kisumu	Finlay mask	Finlays Brushware Ltd	Off Clesoi road, off lunga lunga, nairobi	001/FIN/2020
7	Msk/02/31.08.2020/007	Private	Victoria Health Care	Kisumu	Medi Mask	Crown Solutions Ltd	Crownplex, Mombasa Road, Opp JKIA Flyover-Nairobi	CSL/M/06/2020
8	Msk/02/31.08.2020/008	Private	Victoria Health Care	Kisumu	KN95-Face Mask	Yiwu Binpal Crafts Co.Ltd	Yidong Industrial Park, Nian San li Street, Yiwu City, Zhejiang Province China	HS0120041801
9	Msk/02/31.08.2020/009	Private	Victoria Health Care	Kisumu	Protomask Disposable Protective face mask	Crown Solutions Ltd	Crownplex, Mombasa Road, Opp JKIA Flyover-Nairobi	CSL/P/06/2020
10	Msk/02/31.08.2020/010	Private	Victoria Health Care	Kisumu	Surgical face mask	Shabnam Internationals (K) Ltd	Nairobi kenya	Not Indicated
11	Msk/02/31.08.2020/011	Private	Victoria Health Care	Kisumu	KN90-PM 2.5	Not Indicated	Not Indicated	Not Indicated

12	Msk/02/01.09. 2020/012	Private	Good life Pharmacy	Kisumu	Sueng surgical mask	Sueng Enterprises ltd	Kotch road,off Mombasa road Nairobi	2.0201E+1 0
13	Msk/02/02.09. 2020/013	Private	Priceline Pharmacy	Migori	Premium face mask	Not Indicated	Not Indicated	Hg 18657
14	Msk/02/02.09. 2020/014	Private	Zack four chemists	Migori	3-Ply Face Mask	Onkod Company Ltd	Off Clesoi road,off lunga lunga,nairobi	FM001/20 /07/15
15	Msk/02/02.09. 2020/015	Private	Flehova chemist	Migori	SUMBOW Face Mask	SUMBOW Medical Instrument	16F Chengtou Building,No 68 Heji street China	16506
16	Msk/02/02.09. 2020/016	private	Avlon Chemists	Migori	Disposable Medical mask	Junjiang Industrial Co Ltd	Hongxing Pharmaceutic al Industrial Park mailing town	Not Indicated
17	Msk/02/03.09. 2020/017	Public	Migori County Referral Hospital	Migori	Disposable facemask	Maz Internationa l Ltd	Nairobi,Kenya	Not Indicated
18	Msk/02/03.09. 2020/018	Public	Migori County Referral Hospital	Migori	Non- Medical- Disposable Face mask	Changzhou Kondak Medical Rehabilitati on Equipment co Ltd	No.12 Houxianzhua ng,Luzhuang Village,Ujia Town Wujin District,Chan gzou City,Jiangsu- China	Not Indicated



19	Msk/02/03.09. 2020/019	Public	Migori County Referral Hospital	Migori	Surgical face mask	T.I.L	Nairobi,Kenya	Not Indicated
20	Msk/02/03.09. 2020/020	Public	Migori County Referral Hospital	Migori	Naxsafe	FBL	Nairobi,Kenya	6
21	Msk/02/03.09. 2020/021	Public	Migori County Referral Hospital	Migori	Medical Surgical mask	Esound Medical device Co.Ltd	Not Indicated	Not Indicated
22	Msk/02/03.09. 2020/022	Public	Migori County Referral Hospital	Migori	Changda	Not Indicated	Not Indicated	Not Indicated
23	Msk/02/03.09. 2020/023	Public	Migori County Referral Hospital	Migori	KN95 FFP2- Ear Face mask	Shenzhen Jingcai Gonginiren managemen t Co. ltd	Z- 6/F,Jinhuany u Park Shenzen Guangdong	Not Indicated
24	Msk/02/03.09. 2020/024	Public	Migori County Referral Hospital	Migori	Medical Respirator Mask	Not Indicated	Not Indicated	FHKZ2020 0302
25	Msk/02/03.09. 2020/025	Public	Migori County Referral Hospital	Migori	FFP3- Particulate Respirator	Not Indicated	Not Indicated	Not Indicated
26	Msk/02/03.09. 2020/026	Public	Migori County	Migori	N95-3mm	Not Indicated	Not Indicated	200306

			Referral Hospital					
27	Msk/02/03.09.2020/027	Public	Migori County Referral Hospital	Migori	KN95 Mask With Exhalation Valve	Yuwu Zitong Trading Co.Ltd China	N0.16 Zijin North Road Shangjing Industrial Zone	Not Indicated
28	Msk/02/03.09.2020/028	Public	Migori County Referral Hospital	Migori	GB2626.2006	Not Indicated	Not Indicated	0317-5288826
29	Msk/02/03.09.2020/029	Public	Migori County Referral Hospital	Migori	KN95	Jining Medical device	Jianda Industrial Park,Anju Town	Not Indicated
30	Msk/02/03.09.2020/030	Public	Migori County Referral Hospital	Migori	Jinjiana	Not Indicated	Not Indicated	GB2626-2019 KN95
31	Msk/02/03.09.2020/031	Private	Shivlings Chemist Ltd	Migori	KN95 Facemask-With Respirator	Promo kings	Nairobi,Kenya	PKL/007/2020
32	Msk/02/03.09.2020/032	Private	Kisao Pharmacy	Migori	NXE Disposable Protective Mask	Shenzhen Jingcai Gonginirent Co. ltd	Shenzen-China	20200507

33	Msk/02/04.09.2020/033	Private	Kavirondo Chemists	Homabay	Earloop Face Mask	Not Indicated	Not Indicated	202004
34	Msk/02/04.09.2020/033	Private	Kavirondo Chemists	Homabay	Earloop Face Mask	Not Indicated	Not Indicated	202004
35	Msk/02/04.09.2020/034	Public	Office of The Governer	Homabay	Disposable facemask	Not Indicated	Not Indicated	Not Indicated
36	Msk/02/04.09.2020/035	Public	Office of The Governer	Homabay	Facemask,	Not Indicated	Not Indicated	Not Indicated
37	Msk/02/04.09.2020/036	Public	Office of The Governer	Homabay	KN95-Protector Mask	Haicheng	Yuashan Industrial Zone,Georgin g-China	2020040101
38	Msk/02/04.09.2020/037	Public	Homabay County Referral	Homabay	KN95 FFP2-Ear Face mask	Shenzhen Jingcai Gonginiren managemen t Co. ltd	Z-6/F,Jinhuany u Park Shenzhen Guangdong	Not Indicated
39	Msk/02/04.09.2020/038	Public	Homabay County Referral	Homabay	Disposable Medical mask	Jiangsu Province Medical Dressing Co Ltd	Zhoxi Industry,Concentration artea,Zhexi Town-China	Not Indicated

40	Msk/02/04.09. 2020/039	Public	MOH- Homabay County	Homaba y	N95-Niosh	Suzhou Fangtian Industries Co Ltd	Xingfu South Road,medical Products Industrial Park,Yandu District China	Not Indicated
41	Msk/02/05.09. 2020/040	Private	Mediflon pharmaceut icals ltd	Siaya	Facemask- Disposable	Anhuj Jinaxtu Medical equipment Co.Ltd	China	Not Indicated
42	Msk/02/07.09. 2020/041	Public	Jaramogi Oginga Odinga Teaching and Referral Hospital	Kisumu	A&F -KN95	Guangzhou Aiyimmer Co Ltd	2nd Floor,No.18- 21,Tieshanhe Road Sadong Avenue,Huad u District	20200423
43	Msk/02/07.09. 2020/042	Public	Jaramogi Oginga Odinga Teaching and Referral Hospital	Kisumu	Facemask,	Not Indicated	Not Indicated	20200413
44	Msk/02/07.09. 2020/043	Public	Jaramogi Oginga Odinga Teaching and Referral Hospital	Kisumu	Facemask- Surgical disposable	T.I.L	Nairobi kenya	Not Indicated

45	Msk/02/07.09. 2020/044	Public	Jaramogi Oginga Odinga Teaching and Referral Hospital	Kisumu	Unimed 3ply	Not Indicated	Not Indicated	20020-06
46	Msk/02/07.09. 2020/045	Public	Jaramogi Oginga Odinga Teaching and Referral Hospital	Kisumu	Medical Surgical mask	Esound Medical device Co.Ltd	Not Indicated	200402616
47	Msk/02/07.09. 2020/046	Public	Jaramogi Oginga Odinga Teaching and Referral Hospital	Kisumu	Facemask- Surgical disposable	Onkod Company Ltd	off Clesoi road,off lunga lunga,nairobi	MBLF3/20 /07/21
48	Msk/02/07.09. 2020/047	Public	Jaramogi Oginga Odinga Teaching and Referral Hospital	Kisumu	Medi Mask	Crown Solutions Ltd	Crownplex,Mo mbasa Road,Opp JKIA Flyover- Nairobi	CSL/M/06 /2020
49	Msk/02/07.09. 2020/048	Private	Sunshine Medicare	Nyamira	Premium face mask	Not Indicated	Kenya	HG 18657
50	Msk/02/07.09. 2020/049	Private	Ritongo Chemist	Nyamira	Protomask Disposable Protective face mask	Crown Solutions Ltd	Crownplex,Mo mbasa Road,Opp JKIA Flyover- Nairobi	CSL/P/06 /2020

51	Msk/02/07.09. 2020/050	Private	Manga Pharmaceut icals Ltd	Nyamira	Disposable Medical mask	Hongxing Pharmaceut icals ltd	South 7th road,industria l park,maling town Guangzhou Province- China	Not Indicated
52	Msk/02/07.09. 2020/051	Private	Nyarango Chemist	Nyamira	KN95 Facemask- With Respirator	Promo kings	Nairobi,Kenya	PKL/007/ 2020
53	Msk/02/08.09. 2020/052	Public	Nyamira County Referral Hospital	Nyamira	Disposable facemask	Not Indicated	China	46818
54	Msk/02/08.09. 2020/053	Public	Nyamira County Referral Hospital	Nyamira	A&F-KN95	Guangzhou Aiyimner Co Ltd	2nd Floor,No.18- 21,Tieshanhe Road Sadong Avenue,Huad u District	Not Indicated
55	Msk/02/08.09. 2020/054	Public	Nyamira County Referral Hospital	Nyamira	Facemask,	Onkod Company Ltd	off Clesoi road,off lunga lunga,nairobi	FM001/20 /06/08
56	Msk/02/08.09. 2020/055	Public	Nyamira County Central Medical Store	Nyamira	KN95 FFP2- Ear Face mask	Shenzhen Jingcai Gonginiren managemen t Co. ltd	Z- 6/F,Jinhuany u Park Shenzen Guangdong	Not Indicated

57	Msk/02/08.09. 2020/056	Public	Kisii County Teaching and Referral Hospital	Kisii	Medical Face mask	Changzhou Jiapi Electronic Technology Co.Ltd	Puan Industry Park,banshan g,Ijia Town- Changzhou China	D202004F
58	Msk/02/08.09. 2020/057	Public	Kisii County Health Depot	Kisii	Disposable Medical mask	Yangzhou Yurun Technology Developmen t Co Ltd	Tongda Road,Touqiao Town,Guangl oing District,Yiang su Province- China	20200408
59	Msk/02/08.09. 2020/058	Public	Kisii County Health Depot	Kisii	Non- Powdered Air- Purifying Particle Respirator- KN95	Guangzhou Jiuyi Medical technology Co. Ltd	Five Floor,Building D,Xil Ring Road,Yaotian Village,Guang zhou, China	Not Indicated

**Excel aggregation tool for Western Region (Busia, Bungoma, Vihiga and Kakamega)**

S/N	Sample Code	Sector of Facility	Name of Facility	County	Product Brand Name	Manufacturer	Manufacturer Address	Batch or Lot No.
1	MSK/01/01.09.2020/001	Private	Bumala Chemist	Busia	Stay Safe	Springs Ltd	<u>Nairobi, Kenya</u>	Not indicated

2	MSK/01/01.09.2020/002	Private	Sky point Meds Ltd	Busia	Proto Mask	Crrown Solutions Ltd	<u>Nairobi, Kenya</u>	CSL/P?06/2020
3	MSK/01/01.09.2020/003	Private	Migele Enterprises Ltd	Busia	Finlay	Finlay Brushware Ltd	Nairobi, Kenya	001/FIN/2020
4	MSK/01/01.09.2020/004	Private	Zemella (K) Ltd	Busia	KN(% Self Sunction Filter respirator	Anhui Longchang Co., Ltd	Anhui City, anhui province	202002A
5	MSK/01/01.09.2020/005	Private	Noreena Pharrmacy	Busia	Protective face Mask	Macdonalds Corporation	Colombia, SA	05721220-2B
6	MSK/01/02.09.2020/006	Private	Dawa Meds Chemist limited railways branch	Bungoma	Disposable Protective Mask	Gulf star Medical	Wujin District, Changzhou City	46818
7	MSK/01/02.09.2020/007	Private	Isray Chemist ltd	Bungoma	Eako Disposable face Mask	Eako Holdings Ltd	Nairobi, Kenya	
8	MSK/01/02.09.2020/008	Private	Ronak Pharmacy	Bungoma	Surgical face Mask	Foam. Mattresses Ltd	Kisumu, Kenya	
9	MSK/01/02.09.2020/009	Private	Hirani Pharma	Bungoma	Medi Mask	Crown Solutions Ltd	<u>Nairobi, Kenya</u>	CSL/M/06/2020
10	MSK/01/02.09.2020/010	Private	Nalondo Chemist	Bungoma	Face Mask Disposable	Foam. Mattresses Ltd	Kisumu, Kenya	
11	MSK/01/02.09.2020/011	Private	Bungoma Chemist	Bungoma	Revital	Revital Healthcare (EPZ) Ltd	Mombasa, Kenya	01 06 20
12	MSK/01/02.09.2020/012	Private	Bungoma Chemist	Bungoma	Promo Kings	Not indicated	Nairobi, Kenya	PKL/001/2020



13	MSK/01/02.09.2020/013	Private	Bungoma Chemist	Bungoma	KN(% Self Sunctioon Filter respirator	Not indicated	Anhui City, anhui province	202002A
14	MSK/01/03.09.2020/014	Public	Vihiga County ReferralHospital	Vihiga	Self Priming Filtration Breathe Healthier	Jiangxi Yanqi Medical Equipment Co., Ltd	East Industrial Park, Tongxu County, Kaifeng City, Henan Province	
15	MSK/01/03.09.2020/015	Public	Vihiga County ReferralHospital	Vihiga	Disposable Protective 3 ply Mask			NK201811
16	MSK/01/03.09.2020/016	Public	Mbale District Hospital	Vihiga	1730 Respiratory	Louis M. Gerson Co., Inc	Middleboro, USA	
17	MSK/02/03.09.2020/017	Public	Mbale District Hospital	Vihiga	Sperian One Fit	Sperian Respiratory Protection USA	USA	20355678
18	MSK/02/03.09.2020/018	Public	Mbale District Hospital	Vihiga	Surgical face Mask	T.I.L.	Nairobi, Kenya	
19	MSK/02/03.09.2020/019	Public	Tigoi Health centre	Vihiga	Disposable Protective Mask			20200308
20	MSK/02/03.09.2020/020	Public	Enzaro Health Centre	Vihiga	Kangtai Disposa ble Mask		Nanghai District, foshar City	
21	MSK/02/04.09.2020/021	Public	Kakamega County Referral Hospital	Kakamega	Disposable protective Mask	Gulf Star Medical Manufacturing FZE	China	

22	MSK/02/04.09.2020/022	Public	Kakamega County Referral Hospital	Kakamega	Medi Mask	Crown Solutions Ltd	Nairobi, Kenya	CSL/M/06/2020
23	MSK/02/04.09.2020/023	Public	Kakamega County Referral Hospital	Kakamega	Medical Respirator Mask			FHKZZ0200302
24	MSK/02/04.09.2020/024	Private	Arrap Tosha Chemist	Kakamega	KN95 Disposable Protective Mask			
25	MSK/02/04.09.2020/025	Private	Netro Pharmaceutical	Kakamega	Disposanle Face Mask	Maz International Ltd	Nairobi, Kenya	70320
26	MSK/02/04.09.2020/026	Private	Ramma Pharmacy	Kakamega	Power	Polythene Industries Ltd	Nairobi, Kenya	
27	MSK/02/04.09.2020/027	Public	Butere District Hospital	Kakamega				
28	MSK/02/04.09.2020/028	Public	Butere District Hospital	Kakamega		MCL Ltd		1
29	MSK/02/04.09.2020/029	Private	Khetias Supermarket	Kakamega	Protective Face mask			

**Excel aggregation tool for North and South Rift regions (Laikipia, West-Pokot, Narok, Trans-Nzoia, Baringo, Elgeyo-Marakwet, Uasin-Gishu, Kericho, Bomet, Nakuru, Nandi and Narok Counties.**

Serial No.	Sample Code	Sector of Facility	Name of Facility	County	Product Brand Name	Define Pack Size	Manufacturer	Manufacturer Address	Batch or Lot No.
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1	MSK/02/22.09.2020/01	Public	Nakuru County Referral Hospital	Nakuru	Disposable daily protective mask	50	Jiangra Kubaoya Intelligent Technology CO., Ltd	Lijia Town Wujin, Changzhou Jiangsu, China	MY202007-23
2	MSK/02/22.09.2020/02	Private	Lab Supplies	NAkuru	Disposable protective mask	50	Zhejiang Yibei New Materail Technology Co., Ltd	HongxingQiao Industrial Zone, Changxing City, Zhejiand Province, China	Not indicatd
3	MSK/02/22.09.2020/003	Private	Nilson Pharmaceuticals Ltd	Nakuru	Disposable masks	50	Jiu You Yi Liao Qi Xie	Not readable	Not readable
4	MSK/02/22.09.2020/04	Private	Philmed Limited	Nakuru	Medi mask disposable surgical face mask	50	Crown Solutions Ltd	Crownplex,, Mombasa Road Opp. JKIA Flyover	CSL/M/06/2020
5	MSK/02/22.09.2020/05	Private	Philmed Limited	Nakuru	Proto mask disposable protective face mask	50	Crown Solutions Ltd	Crownplex,, Mombasa Road Opp. JKIA Flyover	CSL/P/06/2020
6	MSK/02/22.09.2020/06	Private	Woolmart (East) Limited	Nakuru	Promo kings surgical masks	50	Promo Kings	P.O. Box 44861-00100 Nrb Kenya	PKL/008/2020
7	MSK/02/23.09.2020/07	Private	St. Joseph Hospital	Nakuru	Medimax Masks	50	Foam Mattresses Ltd	Odera Street, Kisumu	Not indicatd

8	MSK/02/23.09.2020/08	Private	St. Mary's Mission Hospital Rift-Valley	Nakuru	Wemed medical face masks	50	Weigo Medical International Co., Ltd	264210 Weihai Shandong Province, China	202005065
9	MSK/02/23.09.2020/09	Public	Narok County Refferal Hospital	Narok	Narok County	20	Narok Vocational Training Institute	Narok Town, Behind County Refferal Hospital	N/A
10	MSK/02/23.09.2020/10	Private	Jaslim Pharmacy	Narok	Medi Mask	50	Crown Solutions Ltd	Crownplex,, Mombasa Road Opp. JKIA Flyover	CSL/M/06/2020
11	MSK/02/23.09.2020/11	Private	Agape Pharmaceuticals		Surgical Masks	50	Shanghai Channelmed Co., Ltd	Room 1402 Zhangyang Road 200J20	20190418
12	MSK/02/24.09.2020/12	Private	Shanmag Pharmaceuticals	Narok	Proto Mask	50	Crown Solutions Ltd	Crownplex,, Mombasa Road Opp. JKIA Flyover	CSL/P/06/2020
13	MSK/02/24.09.2020/13	Public	Kericho County Referral Hospital	Kericho	Disposable protective mask	50			20200413
14	MSK/02/24.09.2020/14	Private	Siloam Hospital Ltd - Kericho	Kericho	Face mask (Surgical disposable 3ply ties type)	50	Anji Speng Industries Ltd	Zhejiang Province, China	19111002

15	MSK/02/25.09.2020/15	Public	Kapsabet County Referral Hospital	Kapsabet	Way mask medical face masks	50	Wayson Medical Co., Ltd	No. 81, Junfeng Road, Huangpu, Guangzhou, China 510760	999001A
16	MSK/02/25.09.2020/16	Private	Chebarbar Chemist	Nandi	Proto mask	50	Crown Solutions Ltd	Crownplex,, Mombasa Road Opp. JKIA Flyover	CSL/P/06/2020
17	MSK/02/25.09.2020/17	Public	Moi Teaching & Referral Hospital	Uasin Gishu	3 PLY disposable surgical mask	50	Nes Polypack	Isinya Off, Kitengela Road	
18	MSK/02/26.09.2020/18	Private	Medschem Pharmacy Limited	Uasin Gishu	Oasis surgical disposable protective face masks	50	Elite Offset Ltd	P.o. Box 3179 - 00506 Nairobi, Kenya	07/2020002
19	MSK/02/26.09.2020/19	Private	Harleys Limited	Uasin Gishu	Medimax surgical face masks	50	Foam Mattresses Ltd	Odera Street, Kisumu	Not Indicatd
20	MSK/02/26.09.2020/20	Private	Moschem Chemists Ltd	Uasin Gishu		50			
21	MSK/02/26.09.2020/21	Private	Eldo-Base	Uasin Gishu	Benruson disposable medical mask	50	Gvangdong Bairusen Medical Products Co., Ltd	Tangnei Street, Wuchan No. 03, Zone B Jianjiang Industrial Park	
22	MSK/02/28.09.2020/22	Private	Toror Pharmacy	West Pokot	Surgical masks	50	Arax Mills Ltd	Off Enterprise Road, Industrial Area P.O. Box 688 - 00606 Nairobi	N/A

23	MSK/02/29.09.2020/23	Public	Iten County Referral Hospital	Elgeyo-Marakwet	Kangtai disposable masks	50	Kang Tai	Qiaoji Section, Xinde Industrial Zone, Yanbl, Dali Town, Nanhai District, Firhan City	20200301
24	MSK/02/29.09.2020/24	Public	Baringo County Referral Hospital	Baringo	Yi yuan disposable masks	50	Fanzhai Village Committee, Yuhuangmiao Township	Pingyu County, Zhumadian City, Henan Province	Not indicated
25	MSK/02/29.09.2020/25	Public	Baringo County Referral Hospital	Baringo	Surgical disposable 3 ply earloop mask	20	China		1SD007
26	MSK/02/29.09.2020/26	Private	Ripkor Chemist		Proto mask	50	Crown Solutions Ltd	Crownplex,, Mombasa Road Opp. JKIA Flyover	CSL/P/06/2020
27	MSK/02/29.09.2020/27	Public	Nyahururu County Referral Hospital	Laikipia	Finlay disposable surgical masks	50	Finlay Brushware Limited	Off Clesoi Road, Lunga Lunga Road, Industrial Area, P.O. Box 42367 - 00100 NRB-Kenya	003/FIN/2020
28	MSK/02/30.09.2020/28	Private	Pope Benedict XVI Hospital	Laikipia	Vitalcare surgeons face masks	50	Xiantao Fortune Medical Supplies Co., Ltd	New Street, Hechang Town	VC1809534

29	MSK/01/22.09.2020/01	Private	Rangechem Pharmaceuticals Ltd	Nakuru	BST disposable protective mask	50	Chongqing Best Non-Woven Co., Ltd	Qijiang Industrial Park, Chongqing, China	20200418
30	MSK/01/22.09.2020/02	Private	Vendor/Hawker	Nakuru		50			
31	MSK/01/22.09.2020/03	Private	Elica Stationery Supplies	Nakuru	Power disposable face mask	50	Polythene Industries Ltd	P.O. Box 17931 - 00500 NRB - Kenya	
32	MSK/01/22.09.2020/04	Private	Elica Stationery Supplies	Nakuru	Eako surgical face mask	50	Eako Holdings Ltd	P.O. Box 50606 - 00200 NRB - Kenya	Not Indicatd
33	MSK/01/22.09.2020/05	Private	Elica Stationery Supplies	Nakuru	Eako surgical face mask	50	Eako Holdings Ltd	P.O. Box 50606 - 00200 NRB - Kenya	Not indicatd
34	MSK/01/22.09.2020/06	Private	Elica Stationery Supplies	Nakuru	Eako surgical face mask	50	Eako Holdings Ltd	P.O. Box 50606 - 00200 NRB - Kenya	Not Indicatd
35	MSK/01/22.09.2020/07	Private	Elica Stationery Supplies	Nakuru	Eako surgical face mask	50	Eako Holdings Ltd	P.O. Box 50606 - 00200 NRB - Kenya	Not indicatd
36	MSK/01/22.09.2020/08	Private	Crater Pharmaceuticals Ltd	Nakuru	One-time protective comfort mask	50	Guangzhou Beikag Technology Co., Ltd	Not indicated	BK100
37	MSK/01/22.09.2020/09	Private	Nakuru Afya Chemist Ltd	Nakuru	Medimax surgical face masks	50	P.O. Box 12347 - 00400 Nairobi	Not indicated	Not indicatd

38	MSK/01/23.09.2020/10	Private	St. Joseph Hospital	Nakuru	Revital surgical face masks	50	Revital Healthcare (EPZ) Ltd	P.O. Box 80713 -80100 Mombasa-Kenya	20420
39	MSK/01/23.09.2020/11	Public	Naivasha County Referral Hospital	Nakuru	Nthope disposable face mask	50	Nantong Hope Industry & Trade Co., Ltd	No. 1, Group 10, Xiaomaqiao Village, Jiuhua Town Rugao, Jiangsu, China	HP202004
40	MSK/01/23.09.2020/12	Private	Naivas Supermarket - Naivasha	Nakuru	Finlay disposable surgical masks	50	Finlay Brushware Limited		004/FIN2020
41	MSK/01/24.09.2020/13	Public	Longisa County Referral Hospital - Bomet	Bomet	OptiTect dispasable masks	50	OptiTect	China	Not indicatd
42	MSK/01/24.09.2020/14	Public	Kericho County Referral Hospital	Kericho	Esound med medical surgical masks	20	Esound Medical Device Co., Ltd		Not readable
43	MSK/01/24.09.2020/15	Private	Tealands Chemist Ltd	Kericho	Medi mask disposable surgical face mask	50	Crown Solutions Ltd	Crownplex,, Mombasa Road Opp. JKIA Flyover	CSL/M/06/2020
44	MSK/01/24.09.2020/16	Private	Tealands Chemist Ltd	Kericho	Unix disposable face masks	50	Foam Mattresses Ltd	Odera Street, Kisumu	Not indicated
45	MSK/01/24.09.2020/17	Private	Asis Pharmacy Services	Kericho	Tuf foam disposable face masks	50	Foam Mattresses Ltd	Odera Street, Kisumu	Not indicated



46	MSK/01/25.09.2020/18	Public	Moi Teaching & Referral Hospital	Uasin Gishu	NEL surgical disposable masks	50	Onkod Company Limited	Off Clesoi Road, Lunga Lunga Road, Industrial Area, P.O. Box 42367 - 00100 NRB-Kenya	MBLFM1/20/09/08
47	MSK/01/26.09.2020/19	Private	Shayona Chemist	Uasin Gishu	Tie-on surgical disposable face masks	50	Onkod Company Limited	Off Clesoi Road, Lunga Lunga Road, Industrial Area, P.O. Box 42367 - 00100 NRB-Kenya	FM002/20/07/13
48	MSK/01/26.09.2020/20	Private	Shayona Chemist	Uasin Gishu	Disposable medical mask	50	Shangdong Xiaokang Biotechnology Co., Ltd		20200711
49	MSK/01/28.09.2020/21	Public	Kitale County Referral Hospital	Trans Nzoia	JaJ daily protective surgical mask	50	Jiangsu Boluca Fashion Ltd	Miaohong Road, Guli Town, Changsu City, China +86 512 5237 7528	28/05/2020
50	MSK/01/28.09.2020/22	Private	Sarara Chemist		3 Ply surgical mask	25	Promo Kings Ltd	Nairobi - Kenya	PKL/002/2020
51	MSK/01/28.09.2020/22	Public	Kitale County Referral Hospital	Trans Nzoia	Disposable mask	50	Gaungzhou Yihaodian Medical Technology Co., Ltd	Production Address, Building 12, Baowan Industrial Zone, Yonglhun	202003315

								Road, Shilling Town, Guangzhou City	
52	MSK/01/28.09.2020/23	Private	Kelan Chemist	West Pokot	Sueng protective disposable masks	50	Sueng Enterprises Ltd	P.O. Box 55697 - 00200, Kutch Road Off Mombasa Road	Not indicated
53	MSK/01/28.09.2020/24	Public	Iten County Referral Hospital	Elgeyo-Marakwet	Disposable protective mask	50	Written in Chinese	Written in Chinese	Written in Chinese
54	MSK/01/29.09.2020/25	Public	Baringo County Referral Hospital	Baringo	Protective face masks	50	Ammex	Not available	Not indicated
55	MSK/01/30.09.2020/26	Public	Nyahururu County Referral Hospital	Laikipia	Disposable face masks with earlops	50	FengQiu Hongrun Protective Products Co., Ltd	27th Sishang District, Liuguang Town, FengQiu Xinxiang City, Henan China	Not indicated
56	MSK/01/30.09.2020/27	Private	Pope Benedict XVI Hospital	Laikipia	Revital surgical face masks	50	Revital Healthcare (EPZ) Ltd	LR No. 50251/1239 Msumarini Mombasa - Malindi Road P.O. Box 80713 - 80100 MSA - Kenya	90620
57	MSK/01/30.09.2020/28	Private	Pope Benedict XVI Hospital	Laikipia	Face mask earloop	50	Made in China	Not available	202004

Upper Eastern excel aggregation tool (Marsabit, Isiolo, Meru, Embu and Tharaka-Nthi)

Serial No.	Sample Code	Sector of Facility	Name of Facility	County	Product Brand Name	Define Pack Size	No. of units per sample collected	Manufacturer	Manufacturer Address	Batch or Lot No.
1	MSK/01/12.10.2020/001	Private	Mbeti Pharmacy	Embu	Protomask	50s	3	Crown Solutions Ltd	Crownplex, Mombasa Road, Opp. JKIA Flyover, Nairobi, Kenya	CSL/P/06/2020

2	MSK/01/12.10.2020/002	Private	Jabez Pharmacy	Embu	Medi Mask	50s	3	Crown Solutions Ltd	Crownplex, Mombasa Road, Opp. JKIA Flyover, Nairobi, Kenya	CSL/M/09/2020
3	MSK/01/12.10.2020/003	Private	Naivas Supermarket	Embu	Finlay Mask	50s	3	Finlay Brushware Ltd	Clesoi Road, Off Lunga Lunga, Opp. Daima Milk Factory, Kenya	004/FIN/2020
4	MSK/01/12.10.2020/004	Private	Naivas Supermarket	Embu	Promo Kings	50s	3	Promo Kings	Nairobi, Kenya	PKL/008/2020
5	MSK/01/12.10.2020/005	Private	Magunas Supermarket	Embu	Power	50s	3	Polythene Industries Ltd	Nairobi, Kenya	Not Indicated
6	MSK/01/12.10.2020/006	Private	Afyamax Pharmacy	Embu	Protective Face Mask	50s	3	Kenafric Manufacturing Ltd	Nairobi, Kenya	Not Indicated
6	MSK/01/12.10.2020/007	Private	Lemark Pharmaceuticals	Tharakani thi	Wan+Tianbao	50s	3	QianShan TianBao Labor Protection Appliance. Co., Ltd	No. 1, Building2, Industrial Park, Yuujing Town, Qianshan city, Anhui Province, China	Not Indicated

8	MSK/01/13.10.2020/008	Public	Kajuki HealthCentre -	Tharakani thi	3 Ply Face Mask With Earloop	50s	3	Hubei Huatian Protective Products Co., Ltd	1#Renmin Rd, Babao Town, Songzi City, Hubei Province, China	17MKL0101C- XZB
9	MSK/01/13.10.2020/009	Private	Chuka Chemist	Embu	Eako	50s	3	Eako Holdings Ltd	Nairobi, Kenya	Not Indicated
10	MSK/01/14.10.2020/010	Public	Chuka County Referral Hospital	Embu	Face Mask Surgical Disposable	50s	3	Onkod Company Ltd	Off Clesoi rd, Luunga Lunga Rd, Industrial Arrea, nairobi, Kenya	MBLFM1/20/09 /18
11	MSK/01/14.10.2020/011	Private	Meru Annex Chemist	Meru	Power	50s	3	Polythene Industries Ltd	Nairobi, Kenya	Not Indicated
12	MSK/01/14.10.2020/012	Private	Riverland Pharmacy	MERU	Disposable Medical Mask	50s	3	Guizhou Junjiang Industry Co., Ltd	South 7th Road, Hongxing Pharmaceuti cal Industrial Park, Maling Town, Xingyi City, Guizhou Province, china	Not Indicated
13	MSK/01/14.10.2020/013	Private	Homecare Pharmacy	MERU	Maz Disposable Face Mask	50s	3	Maz Internation al Ltd	Nairobi, Kenya	Not Indicated

14	MSK/01/14.10.2020/014	Private	East End Chemists Ltd	MERU	Protomask	50s	3	Crown Solutions Ltd	Crownplex, Mombasa Road, Opp. JKIA Flyover, Nairobi, Kenya	CSL/P/06/2020
15	MSK/01/14.10.2020/015	Private	Mewaco Pharrmacy	MERU	Medi Mask	50s	3	Crown Solutions Ltd	Crownplex, Mombasa Road, Opp. JKIA Flyover, Nairobi, Kenya	CSL/M/06/2020
16	MSK/01/14.10.2020/016	Private	Budget Supermarket	MERU	Face Mask	50s	3	Not Indicated	Not indicated	Not Indicated
17	MSK/01/14.10.2020/017	Private	Nyumbani Chemist Ltd	Meru	Promo Kings	50s	3	Promo Kings	Nairobi, Kenya	PKL/001/2020
18	MSK/01/15.10.2020/018	Public	Isiolo County Referral Hospital	Isiolo	Surgical Disposable Tie-On	50s	3	Onkod Company Ltd	Off Clesoi rd, Luunga Lunga Rd, Industrial Arrea, nairobi, Kenya	FM002/20/06/24
19	MSK/01/15.10.2020/019	Private	Billan Chemist	Isiolo	Face Mask Surgical Disposable	50s	3	Onkod Company Ltd	Off Clesoi rd, Luunga Lunga Rd, Industrial Arrea, nairobi, Kenya	SBLFM5/20/08/11
20	MSK/01/15.10.2020/020	Private	Nagelle Drugmart Chemist	Marsabit	Medimax Face Mask	50s	3	Foam Mattresses Ltd	Odera Street, Kisumu Kenya	Not Indicated

21	MSK/01/19.10.2020/021	Public	Marsabit County Referral Hospital	Marsabit	Medi Mask	50s	3	Crown Solutions Ltd	Crownplex, Mombasa Road, Opp. JKIA Flyover, Nairobi, Kenya	CSL/M/09/2020
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**Excel Aggregation tool for the Coast and Lower Eastern regions (Mombasa, Kilifi, Kwale, Taita-Taveta, Makueni, Kitui and Machakos)**

Serial No.	Sample Code	Sector of Facility	Name of Facility	County	Product Brand Name	Define Pack Size	No. of units per sample collected	Manufacturer	Manufacturer Address	Batch or Lot No.
1	MSK/O1/11.11.2020/01	PRIVATE Chemist	VENTURELAND PHARMACY	KILIFI	PROTOMASK	50	3	CROWN SOLUTIONSLTD	CROWNPLEX	CLS/P/6/2020
2	MSK/01/11.11.2020/02	PRIVATE Chemist	MIJIKENDA PHARMACEUTICALS	KILIFI	STERILIZED SURGICAL FACE MASK	50	3	T.I.L	NAIROBI	NOT INDICATED

3	MSK/01/11.11.2020/03	PRIVATE Chemist	TAWFIQ HOSPITAL	KILIFI	FACE MASK	50	3	ONKOD COMPANY LTD	OFF CLESOI ROAD, LUNGA LUNGA ROAD	NOT INDICATED
4	MSK/01/11.11.2020/04	SUPERMAKET	7 TO 7 SUPERMARKET	KILIFI	EAKO	50	3	EAKO HOLDING LTD	NAIROBI	NOT INDICATED
5	MSK/01/11.11.2020/05	PRIVATE Chemist	ZIKIHA PHARMACY	KILIFI	MEDIMASK	50	3	CROWN SOLUTIONSLTD	CROWNPLEX. MSA ROAD	CSL/M/10/2020
6	MSK/01/11.11.2020/06	INFORMAL	HAWKER WITHIN MALINDI TOWN	KILIFI	NO NAME	50	3	NOT INDICATED	NOT INDICATED	NOT INDICATED
7	MSK/01/11.11.2020/07	PRIVATE Chemist	RENCHCHEM PHARMACEUTICALS	KILIFI	PROMO KINGS MASK	50	3	PROMO KINGS	NAIROBI	PKL/008/2020
8	MSK/01/11.11.2020/08	PRIVATE Chemist	GOODLIFE PHARMACY-NYALI CENTRE MSA	MOMBA SA	SUENG SURGICAL DISPOSABLE	50	3	SUENG ENTERPRISES LTD	KUTCH ROAD OFF MSA ROAD	2.02003E+11
9	MSK/01/11.11.2020/09	PRIVATE Chemist	PHARMAPLUS	MOMBA SA	OASIS FACE MASK	50	3	ELITE OFFSITE LTD	NAIROBI	08/2020003
10	MSK/01/11.11.2020/10	HOSPITAL	PORTREIZT SUB/COUNTY HOSPITAL	MOMBA SA	REVITAL FACE MASK	50	3	REVITAL HEALTHCARE (EPZ)	LR No. 5025/1239 MSUMARINI-MALIDI ROAD	Feb-20
11	MSK/01/11.11.2020/11	HUMANITARIAN	KENYA RED CROSS SOCIETY, MSA BRANCH	MOMBA SA	TUFFOAM DISPOSABLE 3-PLY	50	3	FOAM MATTRESSES	ODERA STREET ,KISUMU	NOT INDICATED
12	MSK/01/11.11.2020/12	PRIVATE Chemist	SHIFACHEM PHARMACY	MOMBA SA	DISPOSABLE PROTECTIVE FACE MASK	50	3	HUBEI KANGHUAN PROTECTION MEDICAL	9 WUGAN STREET, ENSHI CITY	GB/T326210-2016
13	MSK/01/11.11.2020/13	PRIVATE WHOLESALER	SURGIPHARM LTD	MOMBA SA	NON-WOVEN FABRIC MASK	50	3	FUJIAN JINSIANG FENGCHU PAPER INDUSTRY	No. 36 IZHONGUE ROAD. INDIA	NOT INDICATED



14	MSK/01/11.11.2020/14	PRIVATE Chemist	MEYRINE PHARMACY	MOMBA SA	SURGICAL FACE MASK	50	3	FOAM MATTRESSES	ODERA STREET ,KISUMU	NOT INDICATED
15	MSK/01/11.11.2020/15	PRIVATE Chemist	DAVID SIMUYU	MOMBA SA	SURGICAL FACE MASK	50	3	Biopharma ltd	Nairobi	BPL447
16	MSK/01/13.11.2020/16	PUBLIC	COAST GENERAL HOSPITAL-MOMBASA	MOMBA SA	SURGICAL FACE MASK	50	3	ONKOD COMPANY LTD	OFF CLESOI ROAD, LUNGA LUNGA ROAD	MBLFM3/20/10/27
17	MSK/01/13.11.2020/17	PRIVATE Chemist	ALMON CHEMIST	KILIFI	PROMO KINGS MASK	50	3	PROMO KINGS	PROMO KINGS NAIROBI-KENYA	PKL/001/2020
18	MSK/01/14.11.2020/08	PRIVATE WHOLESALER	HARLEYS LIMITED	MOMBA SA	MEDIMASK SURGICAL FACE MASK	50	3	TFL	BOX 12347-00400 NAIROBI	NOT INDICATED
19	MSK/01/14.11.2020/019	PRIVATE PHARMACY	OCHIENG CHEMIST LIMITED	KWALE	PROTOMASK	50	3	CROWN SOLUTION LIMITED	CROWNPLEX , MOMBASA ROAD	CSL/P/09/2020
20	MSK/01/14.11.2020/20	PRIVATE Chemist	PHARMAT CHEMIST LIMITED	KWALE	PROTECTOR FACE MASK	50	3	GUANGDONG TUDER MEDICAL INSTRUMENT COMPANY LIMITED	maasai off Namanga Road	NOT INDICATED
21	MSK/01/14.11.2020/21	PRIVATE PHARMACY	PHARMAT CHEMIST LIMITED	KWALE	NOT INDICATED	50	1	AUHUI ZHONGKANG LABOL PROTECTION APPLICATION CO. LTD	12 HONGPU ROAD, HUAINING COUNTY INDUSTRIAL PARTIANGING ANHUI PROVINCE	20200618
22	MSK/01/16.11.2020/022	PUBLIC	COUNTY DRUG STORE-T/TAVETA	TAITA TAVETA	MEDIMASK FACE MASK	50	3	CROWN SOLUTION	Shimo la tewa off luraka road, Nairobi	CSL/M/09/2020
23	MSK/01/16.11.2020/023	HOSPITAL	ST. LUKE AFYA MEDICAL CLINIC	TAITA TAVETA	PROTOMASK	50	3	CROWN SOLUTION LTD	CROWN PLEX MOMBASA ROAD OPP JILIA	CSL/P/11/2020

24	MSK/01/16.11.2020/024	PRIVATE Chemist	FIRST CLASS PHARMACEUTICALS	TAITA TAVETA	PREMIUM FACE MASK	50					HG18657
25	MSK/01/16.11.2020/25	PRIVATE SUPERMARKET	ANAND SUPERMARKET	TAITA TAVETA	PROMO KINGS MASK	50	3	PROMO KINGS	P.O BOX 4486100108 NRB		PKL/001/2020
26	MSK/01/17.11.2020/026	PRIVATE PHARMACY	KAITI PHARMACY	MAKUE NI	MODI MASK	50	3	CROWN SOLUTIONS LTD	CROWN PLEX MOMBASA ROAD		CSL/09/2020
27	MSK/01/17.11.2020/027	PRIVATE PHARMACY	CHEMLINK PHARMACY	MAKUE NI	DISPOSABLE FACE MASK	50	3				
28	MSK/01/17.11.2020/028	PRIVATE PHARMACY	WOTE PHARMACEUTICALS	MAKUE NI							NOT INDICATED
29	MSK/01/17.11.2020/029	PRIVATE PHARMACY	WOTE PHARMACEUTICALS	MAKUE NI	FACE MASK	50	3	FOAM MATTRESSES	ODERA STREET ,KISUMU		NOT INDICATED
30	MSK/01/18.11.2020/030	PUBLIC	KITUI COUNTY REFERRAL	KITUI	FACE MASK	50	3	KICOTEC	P.O BOX 72 KITUI		NOT INDICATED
31	MSK/01/18.11.2020/031	PUBLIC	KITUI COUNTY REFERRAL	KITUI	FINLAY FACE MASK	50	3	FINLAY BRUSHCARE L;TD	OLESOI ROAD OFF LUNGA LUNGA ROAD		004/FIN/2020
32	MSK/01/18.11.2020/032	PRIVATE PHARMACY	ISANDO PHARMACY	KITUI	FACE MASK	50	3	ONKOD COMPANY LTD	BOX 42367 LUNGA LUNGA ROAD		MB LFM 3/20/10/237
33	MSK/01/18.11.2020/033	PRIVATE SUPERMARKET	MULEI SUPERMARKET	KITUI	SHARK SURGICAL DISPOSABLE FACE MASK	50	3	POLYTHENE INDUSTRIES LIMITED	BOX 17931-00500 NRB		NOT INDICATED
34	MSK/01/18.11.2020/034	PRIVATE Chemist	NUNGUNI CHEMIST	KITUI	FACE MASK	50	3	FOAM MATTRESSES	63 WESTLAND ROAD NAIROBI		NOT INDICATED
35	MSK/01/18.11.2020/035	PRIVATE Chemist	NZAMBANI PHARMACY	KITUI	DISPOSABLE FACE MASK	50	3	HENAN AOKANG MEDICALS MATERIAL CO. LTD	CIYI VILLAGE CIZHOUZAI TOWN HUAXIAN COUNTY		28/03/2020
36	MSK/01/19.11.2020/036	PRIVATE PHARMACY	MUISYO PHARMACY	MACHAKOS	AMMEX PROTECTIV	50	3	STIMA PRINTERS AND STATIONARIES LTD			NOT INDICATED

					E FACE MASK					
37	MSK/01/19.11.2020/037	PRIVATE Chemist	MUISYO HEALTH PHARMACY	MACHAKOS	FACE MASK NON WOOVEN 3 PLY	50	3	ALPYAMEDICAL PRODUCTS CO. LTD		NOT INDICATED
38	MSK/01/19.11.2020/038	PUBLIC HOSPITAL	MACHAKOS COUNTY HOSPITAL	MACHAKOS	MAZ DISPOSABLE SURGICAL MASK	50	3	MAZ INTERNATIONAL LTD	BOX 25845- 00100 NRB	NOT INDICATED
39	MSK/01/19.11.2020/039	PUBLIC HOSPITAL	MACHAKOS COUNTY HOSPITAL	MACHAKOS	SUENG SURGICAL MASK	50	3	SUENG ENTERPRISES LTD	BOX 55697- 00200 KUTCH ROAD MOMBASA ROAD	NOT INDICATED
40	MSK/01/19.11.2020/040	PRIVATE Chemist	MASAKU CHEMIST	MACHAKOS	KANG TAI DISPOSABLE MASK	50	3	KANG TAI	ONE OF NC. 9 QIAOXI SECTION XINDE INDUSTRIAL ZONE	20200301
41	MSK/01/19.11.2020/041	PRIVATE Chemist	MASAKU CHEMIST	MACHAKOS	YI-HUA-TFT	50	3		75529373335	YY/T0969-2013
42	MSK/01/19.11.2020/042	PRIVATE Chemist	TWAKE CHEMIST	MACHAKOS	DISPOSABLE SURGICAL MASK	50	3	FOAM MATTRESSES LTD	ODERA STREET KISUMU 0722144106	NOT INDICATED
43	MSK/01/19.11.2020/043	PRIVATE PHARMACY	BERYL PHARMACY	MACHAKOS	HUI YI	50	3	ANQING HUIYI PROTECTIVE EQUIPMENT COMPANY LIMITED	NO. 7 HONGPU ROAD INDUSTRIAL PARK ANQING CITY ANHUI PROVINCES	NOT INDICATED
44	MSK/01/19/.11.2020/044	PRIVATE PHARMACY	LENANA PHARMACEUTICALS	MACHAKOS	FACE MASK	50	3	NOT INDICATED	NOT INDICATED	NOT INDICATED
45	MSK/01/19.11.2020/045	PRIVATE Chemist	BERYL PHARMACY LTD	MAKUE NI	DISPOSABLE 3- LATER	50	3	ANQING HUIYI PROTECTIVE EQUIPMENT COMPANY LIMITED	HONGPU ROAD INDUSTRIAL PARK	NOT INDICATED



**Central region (Kirinyaga, Muranga, Nyeri, Nyandarua and Kiambu)**

Serial No.	Commodity Category	Sample Code	Sector of Facility	Name of Facility	County	Product Brand Name	Manufacturer	Manufacturer Address	Batch or Lot No.
1	Surgical Mask	MSK/02/12.10.20 20/01	Public	Kerugoya County Referral Hospital	Kirinyaga	Medi mask disposable surgical face mask	Crown Solutions Ltd	Crownplex,, Mombasa Road Opp. JKIA Flyover	CSL/M/06/2020
2	Surgical Mask	MSK/02/12.10.20 20/02	Public	Kerugoya County Referral Hospital	Kirinyaga	Earhook Type Disposable mask	Dongguan Jincheng Luggage Co.Ltd	Not available	Not readable
3	Surgical Mask	MSK/02/12.10.20 20/03	Public	KERUGOYA Medicare Center Ltd	Kirinyaga	Medimax surgical face masks	Foam Mattress Ltd	Odera Street P.O BOX 230 Kisumu Kenya	Not Available
4	surgical Mask	MSK/02/12.10.20 20/04	Faith Based	Sagana Catholic Dispensary	Kirinyaga	Fortress Surgical Face Masks	Plan Packaging Ltd	Eastern Bypass, P.O BOX 45455-00100 Nairobi Kenya	Not Indicated
5	Surgical Mask	MSK/02/13.10.20 20/05	Private	Eviton Pharmaceuticals Ltd	Muranga	Proto mask	Crown Solutions Ltd	Crownplex,, Mombasa Road Opp. JKIA Flyover	CSL/P/06/2020
6	Surgical Mask	MSK/02/13.10.20 20/06	Private	Muranga Pharmacy	Muranga	Medi mask disposable surgical face mask	Crown Solutions Ltd	Crownplex,, Mombasa Road Opp. JKIA Flyover	CSL/M/09/2020
7	Surgical Mask	MSK/02/13.10.20 20/07	Private	Becamol Chemist	Muranga	Eako surgical face mask	Eako Holdings Ltd	P.O. Box 50606 - 00200 NRB - Kenya	Not Indicated
8	Surgical Mask	MSK/02/13.10.20 20/08	Public	Muranga County Referral Hospital	Muranga	Disposable Face Mask	Quanzhou Yierhu Sanitary Products Co. Ltd	Chendai Town Quanzhou City Fujian Province	BM-011

9	Surgical Mask	MSK/02/13.10.20 20/09	Public	Muranga County Referral Hospital	Muranga	Sterilised Surgical Face Masks	T.I.L	P.O BOX 43039-00100 NRB Kenya sales@texplast.co.ke	Not Indicated
10	Surgical Mask	MSK/02/13.10.20 20/10	Private	Family Heritage Hospital	Muranga	Chuanyue Daily Protective Masks	Anqing Chuangue Labor Protection Products Co. Ltd	Changsheng Road Lianyun Development Zone Yuexi County Anging Anhui China	Not Indicated
11	Surgical Mask	MSK/02/13.10.20 20/11	Faith Based	Kiriani Mission Hospital	Muranga	NEL Surgical Disposable Face Masks	Onkod Company Limited	Off Desoi Road Lunga Lunga Road Industrial area	Not Indicated
12	Surgical Mask	MSK/02/13.10.20 20/12	Faith Based	Kiriani Mission Hospital	Muranga	ANM Disposable Face masks	ANM Holdings Ltd	P. O BOX 50608- 00400 NRB Kenya mzingamovies@gmail.com	Not Indicated
13	Surgical Mask	MSK/02/14.10.20 20/13	Public	KNH-Othaya Level 6 Hospital	Nyeri	Disposable non Medical Face masks	Donguan Miaomiaolove Daily Necessities Co. Ltd	Room 201 bilding 2, No. 4 Kangle West Street Shantang Houjie Town Dongguan City Guangdong Province	Not Indicated
14	Surgical Mask	MSK/02/14.10.20 20/14	Public	Nyeri County Referral Hospital	Nyeri	Wemed Medical Face Mask	Weigao Medical Internatinal co. Ltd	No. 1 Weigo Road High Tech Industrial Development Zone. 264210 Weihai Shandong Province China	20200402A
15	Surgical Mask	MSK/02/14.10.20 20/15	Public	Nyeri County Referral Hospital	Nyeri	Fuxin Surgical Mask	Hubei Fuxin Medical Equipment Co. Ltd	Shay Economic Development Zone Hubei Province	20200504B
16	Surgical Mask	MSK/02/14.10.20 20/16	Public	Nyeri County Referral Hospital	Nyeri	Finlay Face Mask	Finlay Brushware Ltd	Chesoi Road off Lunga Lunga	004/fin/202 6
17	Surgical Mask	MSK/02/14.10.20 20/17	Private	Othaya Chemist	Othaya	Proto Mask Disposable Protective Face mask	Crown Solutions Ltd	Crownplex, Mombasa Road Opp. JKIA Flyover	CSL/P/06/20 20
18	Surgical Mask	MSK/02/14.10.20 20/18	Private	Transchem Pharmaceuticals ( Nyeri)	Nyeri	Medimax surgical face masks	Foam Mattress Ltd	Odera Street P.O BOX 230 Kisumu Kenya	Not Indicated

19	Surgical Mask	MSK/02/15.10.20 20/19	Informal	Mali Mali Shop	Nyandarua	NEL Surgical Disposable Face Masks	Onkod Company Limited	Industrial area Off Desoi Road Lunga Lunga Road Industrial area	FM003/20/06/25
20	Surgical Mask	MSK/02/15.10.20 20/20	Public	JM Kariuki County Referral Shop	Nyandarua	Wan + Tianbao Disposable Face Mask	Qianshan Tianbao Labor Protection Appliance Co. Ltd	No. 1 Buiding 2, Industrial Park Yujing town Qian- shan City Anhui Province China	Not readable
21	Surgical Mask	MSK/02/15.10.20 20/21	Faith Based	North Kinangop Catholic Hospital	Nyandarua	Kangtai Disposable Mask	Kangtai	Qiaoyi Section Xinde Industrial Zone	20200301
22	Surgical Mask	MSK/02/15.10.20 20/22	Public	Thika Level 5 Hospital	Kiambu	Nthope Face Mask Dsposable	Nantong Hope Industry & Trade C. Ltd	No. 1 Group 10 Xiamaqiao Village Jiuhua Town Rugao Jiangsu China	HP202004
23	Surgical Mask	MSK/02/19.10.20 20/23	Private	Thika Chemist Ltd	Kiambu	Bontel Disposable Face Masks	Jianghua Zhiku Technology Co. Ltd	North Section of Yaodu Avenue Jianghua Yao Autonomous County Yongzhou City Hunan China	
24	Surgical Mask	MSK/02/19.10.20 20/24	Private	Furaha Chemist Ltd	Kiambu	Disposable Face Mask ( Non- Medical)	Zhangzhou Fui Sanitary Products Co. Ltd	Hetang Operation area, Heping Township, Yunxiao County, Zhangzhou City Fujian Province.	20200430
25	Surgical Mask	MSK/02/19.10.20 20/25	Private	Gathimaini Pharmacy Co. Ltd	Kiambu	Surgical Face Masks (Tie on)	Nantong Jianan Medical Products Co. Ltd	No. 5 Shanghai Road Nantong ETDZ , Jiangsu China	FM190808
26	Surgical Mask	MSK/02/19.10.20 20/26	Public	Kiambu Level 5 Hospital	Kiambu	Nthope Face Mask Dsposable	Nantong Hope Industry & Trade C. Ltd	No. 1 Group 10 Xiamaqiao Village Jiuhua Town Rugao Jiangsu China	HP202004