

## RWANDA STANDARDS BOARD

## PRODUCTS AND SERVICES CHARGES

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**TABLE OF CONTENTS**

**PREAMBLE..... iii**

**STANDARDS SERVICES CHARGES..... 1**

    1. Standards charges..... 1

    2. Trainings charges ..... 4

**TESTING SERVICES CHARGES ..... 5**

    1. Materials Testing Laboratories ..... 6

    2. Chemistry Laboratories ..... 9

    3. Microbiology ..... 19

**CERTIFICATION SERVICES CHARGES ..... 22**

    1. Product certification ..... 22

    2. HACCP system certification ..... 23

    3. System (FSMS, QMS & EMS) certification ..... 24

**METROLOGY SERVICES CHARGES ..... 26**

    1. Fixed Costs (FC)..... 26

    2. Variable Costs (VC)..... 26

    3. Gross Margin (GM) ..... 26

# PREAMBLE

## Pricing of RSB Services Charges

This background information on standardisation and its companions is designed to inform the clients how the pricing of Rwanda Standards Services charges are determined. It also gives a summary background of the usefulness of these services to society. Standards, conformity assessment and metrology give safety assurance to community, facilitate international trade, enhance the interoperability of technologies and processes as well as facilitating technological change and economic development by reducing information asymmetry. RSB services to the community include sales of standards, training on standards, products and systems certification, testing, and calibration. The contribution of the national quality infrastructure to the economic growth is well established. Contribution of standards alone can be up to 2 %. At the macroeconomic level, the role of standards can be four-fold and is directly related to productivity. ***However, inappropriate use of standards can also hinder productivity through reducing choice and competition, and creating technical barriers to trade.*** The formulas for calculating prices are given in the Prices Charges Document.

## Pricing of Standards

Standards are established by consensus from different technical experts. To get this consensus the technical experts meet in technical committee meetings, whereby facilitation is provided to allow a favorable environment for a meeting; such as prints of the preliminary drafts for the meeting, refreshments and transport allowance. After the standards have been approved by the technical committees, they are published in the newspapers, and at a cost, in order to gather comments from the general public. An approved standard can be Print-On-Demand (POD) after payment and the client gets a hard copy, while another method is purchasing standards by electronic means via Web stores. For the moment RSB is using the first method which requires some resources such as paper and binding materials to make a standard booklet. With this background, standards should be priced accordingly, at a rate that reflects their value and also attempt to cover, partly or entirely, the costs involved in their development and publication.

Ideally, a minimum fee should be charged to each of the product and service provided and the cost estimated in consideration of processes and inputs involved to produce the product or service. However, during the calculation of the price for standards, some elements were omitted such that only the cost of paper and transport allowances for Technical committee was considered to make the standards affordable.

## **Pricing of Training Services**

After development of the standards, they are launched to raise awareness of the business and community and the regulatory authorities of the benefits of applying standards. Follow trainings on the existing and/or newly approved standards to improve their adoption and compliance. In the spirit of standards promotion/awareness to our stakeholders especially SMEs, RSB through the National Standards Division undertakes trainings activities in different areas such as Quality Management System (QMS), Environmental Management System (EMS), Food Safety Management System (FSM) and Products Standards requirement, among others. The aim of trainings is to improve individual and organization effectiveness hence their performance.

For a training to be successful, there are a number of factors that need to be taken into consideration such as conference room, trainers fee, training materials (cost of standards) and other facilities such as certificates, cost transport for trainers, inter-alia. As a result, pricing of training services was based on the valuation of the above services, with a discount of 20 % being applied for each standard to be purchased by SMEs that has requested training of more than one trainee.

## **Certification Fees**

The certification profile of 2013 showed that 23 % of the applicants fail to proceed with certification process due to inability to pay certification fees and 44 % fail to address the non-conformities raised during audit since correction of those non-conformities requires money. In view of the above challenges, system certification application fee was reduced and that for products and system re-certification removed altogether. The system certification fee was reduced from FRW 100, 000 to FRW 30,000 for HACCP while for other systems it was reduced to FRW 50,000. At the same time the site audit cost for HACCP system was fixed at FRW 50,000/day while the site audit cost for other systems certification was reduced from FRW 200,000 to FRW 100, 000 /day.

The license fee for system certification was reduced from FRW 100, 000 to FRW 50,000. For all systems including HACCP a free pre-assessment step was included to encourage as many enterprises as possible to consider assessment of their systems towards Certification. With the new certification fees, an SME will pay a minimum fee of FRW 230,000 (plus testing fees) for product certification valid for 2 years while for HACCP system it will be minimum fee of FRW 480,000. For other systems, a minimum certification fee of FRW 800,000 valid for 3 years is paid. ***It is important to note that for all certification services staff mission allowance, travel costs and surveillance testing costs are incurred by government.***

## **Testing Services Charges**

The National Quality Testing Laboratories (NQTL) have been increasing the testing scope. Each year, at least 20 parameters are added to the scope of testing. Currently, the laboratory has capacity to provide over 200 parameters in the area of materials, chemical and biological analyses. The aim

testing is promote trade by ensuring that our exports meet the minimum quality standards recognised in international markets and ensures that all imports into the country are testes and confirmed to meet the minimum quality standards.

*The testing service charges are only based on service provided and are generally priced at comparatively lower rates than those of other testing laboratories in the region.* NQTL is pursuing a *value pricing strategy*, because it is the best way to create a community of long-term users who will incorporate the service into their daily processes instead of viewing and using it as just a mandatory testing unit. Consequently, the fees for testing are calculated using a combination of the cost of inputs used such as chemicals, the cost of the equipment (with the intention of recouping the capital cost within 10 years), manpower costs, the cost of water and electricity and the mean cost of the apparatus per parameter. *This means that the fees will vary from sample to sample due to test methods and equipment used and other variables involved.*

### **Metrology Services Charges**

In order to ensure the use of accurate and genuine measurements in industry, trade, health and safety, the National Metrology Services Division offers calibration and verification services of all weighing, measuring instruments and pre-packages control in the country. The prices of verification and calibration of measuring and weighing instruments and pre-packages control is based on the following costs:

- Purchase of physical standards which includes standards equipment;
- Insurance and traceability;
- Maintenance in proper working state, calibration and insurance,
- Maintaining the physical standards in the recommended laboratory environment and this may involve cooling, lighting,

However these costs charges do not include, for example, laboratory consumables (paper, stickers, oil, seals), utilities (electricity and water), staff salaries and allowances, among others, as these are currently borne by the government





	<b>RWANDA STANDARDS BOARD</b>  <b>Products and Services Charges</b>	<b>RSB/FIN/02</b>
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220-223í í í í í í í í í í í í í í í í í í í ..54952

224-227í ..55848

### **CATEGORY VIII**

228-231í ..56744

232-235í ..57640

236-239í ..58536

240-243í ..59432

244-247í ..60328

248-251í ..61224

252-255í ..62120

## **How to calculate prices for Rwanda Standards**

### Example I

Cost of papers \* the number of pages \* number of TC \* number of TM + labour

Category cost of papers no of pages no of TC no of TM Labour total in Rwf

4-7      2800/500      \*    7      \*    4      \*10    + 5000    = 6568 Rwf

- TC: Technical Committee
- TM: Technical Member

Revision	01	Page 3 of 42	Date: 28	November 2014
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	<b>RWANDA STANDARDS BOARD</b>  <b>Products and Services Charges</b>	<b>RSB/FIN/02</b>
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## 2. Trainings charges

The cost for training the public about standardization is as follows:

S/N	Item	Unit price per day (Frw)
1	Seminar/Conference room (room for 100 people)	150,000
2	Facilitation (training fee) offered by RBS staff	70,000
3	Facilitation (training fee) offered by a senior consultant	275,000
4	Training coordination and administration	55,000
5	Electricity	10,000
6	Water	3,000
7	Certificates	3,000

### Consultancy charges

S/N	Item	Unit price per day (USD)
1	International/Regional consultants	500
2	Local consultants	300



RWANDA STANDARDS BOARD

RSB/FIN/02

Products and Services Charges

### TESTING SERVICES CHARGES

Charges for all Testing Laboratories are computed according to the formula Bellow:

$$1. \text{ Chemical (C)} = \frac{\text{Quantity Used} \times \text{Unit Cost}}{\text{Unity Quantity}}$$

$$2. \text{ Equipment (E)} = \frac{\text{Price} \times \text{Experiment Hours}}{10 \text{ Years} \times 12 \text{ Months} \times 30 \text{ Days}}$$

- The Recoup Period for Equipment is taken to be 10 Years
- The Cost of Equipment per Parameter is the Recoup Price per Day since RSB averagely receives one private Sample per Day.

$$3. \text{ Average Cost Man Power per Hour (H)}$$

$$= \frac{(\text{Total Salaries of Departmental Staff Levels})}{3 \times 30 \text{ Days} \times \text{Hours}}$$

$$4. \text{ Cost of Man Power} = H \times N$$

- The Analysis Which Takes Less than one Hour shall be Charged the Maximum Cost of One Hour (H)

$$5. \text{ Water and Electricity per Day (W)} = \frac{\text{Total Cost per Year}}{12 \times 30 \text{ Days}}$$

- The Cost of Water and Electricity Shall be Charged per Sample and not per Parameter

$$\text{Cost of One Parameter} = C + E + (HN) + W + 500$$

Where,

C: Cost for Chemicals Used

E: Cost of Equipment (Recoup Cost)

H: Cost of Man Power per Hour

Revision	01	Page 5 of 42	Date: 28	November 2014
----------	----	--------------	----------	---------------

	<b>RWANDA STANDARDS BOARD</b>  <b>Products and Services Charges</b>	<b>RSB/FIN/02</b>
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N: Number of Hours for Analysis

W: Cost of Water and Electricity per Hour

500: Average Cost of Apparatus per Parameter

## 1. Materials Testing Laboratories

PRODUCT	TESTED PARAMETER	TEST METHOD (SOP)	COST (FRW)
<b>CEMENT</b>	Initial setting time	RS EAS 148-1	10,000
	Final setting time of cement	RS EAS 148-1	11,500
	Compressive strength of cement (including strength for 2days or 7days and 28 days strength)	RS EAS 148-1	60,000
	Lost on ignition	RS EAS 148-2:2004	18,000
	Cement soundness	RS EAS 148-1:2004	15,000
<b>ROOFING SHEETS</b>	Zinc coating mass and Base Metal thickness of roofing sheets	RS EAS 11	11,250
	Tensile strength of roofing sheets (3 pieces)	RS EAS 11	33,750
	Bending adhesion of roofing sheets (1piece)	RS EAS 468 RS EAS 410	7,500
	Marking of roofing of sheets	RS EAS 11 RS EAS 468 EAS 410	3,750
	Dimensional test of roofing sheets	RS EAS 11 RS EAS 468 RS EAS 410	3,750
<b>CEMENT BLOCKS /BRICKS</b>	Water absorption of bricks and Blocks	RS 568	20,000
	Compressive strength of Bricks and blocks (price for 10 specimens/batch)	RS 568	45,000
	Dimensional test of bricks/ blocks	RS 568	3,750
<b>PAVING BLOCKS</b>	Water absorption of Blocks (price for 10 specimens/batch)	RS 415	20,000
	Compressive strength of blocks (price for 10 specimens/batch)	RS 415	45,000
	Dimensional test of paving blocks	RS 415	3,750
<b>BURNT BRICKS</b>	Water absorption of burnt bricks (price for 10 specimens/batch)	RS 359	20,000

Revision	01	Page 6 of 42	Date: 28	November 2014
----------	----	--------------	----------	---------------

	<b>RWANDA STANDARDS BOARD</b>  <b>Products and Services Charges</b>	<b>RSB/FIN/02</b>
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PRODUCT	TESTED PARAMETER	TEST METHOD (SOP)	COST (FRW)
	Compressive strength of burnt bricks (price for 10 specimens/batch)	RS 359	45,000
	Dimensional test of burnt bricks	RS 359	3,750
<b>CRAY ROOFING TILES</b>	Flexural strength of roofing Tiles (price for 10 specimens/batch)	RS 358	36,000
	Water absorption test of roofing tiles (price for 10 specimens/batch)	RS 358	20,000
	Dimensional test roofing tiles	RS 358	3,750
<b>CONCRETE</b>	Compressive strength of hardened concrete cubes or cylinders (price for 3 specimens)	RS ISO1920-4	30,000
<b>SAND</b>	Particle size distribution by sieve analysis	RS 211-1	25,000
<b>Steel bars for reinforcing of concrete</b>	<b>Tensile strength/Yield strength/elongation</b>		
	bar diameter 6mm	RS ISO 6892-1	8,350
	bar diameter 8mm	RS ISO 6892-1	8,800
	bar diameter 10mm	RS ISO 6892-1	9,200
	bar diameter 12mm	RS ISO 6892-1	10,000
	bar diameter 14mm	RS ISO 6892-1	11,000
	bar diameter 16mm	RS ISO 6892-1	12,000
	bar diameter 20mm	RS ISO 6892-1	12,800
	bar diameter 25mm	RS ISO 6892-1	15,000
	bar diameter 32mm	RS ISO 6892-1	20,000
	<b>Dimensional test of steel bars</b>	RS ISO 6935-1&2	3,750
	<b>Three points Bend test of steel bars for reinforcing of concrete</b>		
	bar diameter 6mm,8mm,10mm,12mm	RS ISO 15630-1	4,500
	bar diameter 14mm and 16mm	RS ISO 15630-1	5,000
	bar diameter 20mm and 25mm	RS ISO 15630-1	6,000
bar diameter 32mm and above	RS ISO 15630-1	8,000	
<b>Three points Bend test of other metallic materials</b>	RS ISO: 7438	6,000	
Dimensional test of Metallic materials	PRODUCT RELATED	3,750	
<b>Structural steels- Hollow sections</b>	Tensile strength(Min 3 pieces)	RS ISO 6892-1	36,000
	Dimensional test	ISO 4019	3,750
<b>Steel plates and sheets</b>	Tensile properties (3 pieces)	PRODUCT RELATED	33,750
	Dimensional test	-	3,750

Revision	01	Page 7 of 42	Date: 28	November 2014
----------	----	--------------	----------	---------------

	<b>RWANDA STANDARDS BOARD</b>  <b>Products and Services Charges</b>	<b>RSB/FIN/02</b>
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PRODUCT	TESTED PARAMETER	TEST METHOD (SOP)	COST (FRW)
<b>polyethylene water tanks</b>	Resistance to deformation	RS 736	10,000
	Tensile properties (6 pieces)	RS 736	36,000
	Dimensional test	RS 736	3,750
<b>Metals</b>	Brinell Hardness of metals	RS ISO 6506-1	12,000
	Chemical composition (XRF test for up to 44 elements:Na,Mg,Al,Si,P,S,Cl,K,Ca,Sc,Ti,V,Cr,Mn,Fe,Co,Ni,Cu,Zn,As,Se,Rb,Sr,Zr,,Nb,Mo,Ru,Pd,Ag,Cd,Sn,Sb,Te,Cs,Ba,Hf,Ta,W,Au,Hg,Pb,Bi, Th and U)	NQTL/MTL/NDT/S OP-1	36,000
<b>SOILS AND ROCKS</b>	Chemical composition (XRF test for up to 44 elements:Na,Mg,Al,Si,P,S,Cl,K,Ca,Sc,Ti,V,Cr,Mn,Fe,Co,Ni,Cu,Zn,As,Se,Rb,Sr,Zr,,Nb,Mo,Ru,Pd,Ag,Cd,Sn,Sb,Te,Cs,Ba,Hf,Ta,W,Au,Hg,Pb,Bi, Th and U)	NQTL/MTL/NDT/S OP-1	45,000
<b>ELECTRICAL CABLES</b>	Marking	RS IEC 60227-1	3,500
	Chemical composition of cable conductor material	NQTL/MTL/NDT/S OP-1	36,000
	Resistance of electrical cables rolls (100m min)	RS IEC 60227-2	6,000
<b>CONDOMS</b>	Freedom from holes of condoms	RS ISO 4074	18,525
	Condom strength Bursting volume and Bursting pressure of condoms	RS ISO 4074	29,735
	Pack seal integrity of condoms	RS ISO 4074	1,020
	Condoms dimensions (width and length)	RS ISO 4074	3,750
	Thickness of condoms and Quantity of lubricant in condom container	RS ISO 4074	14,500
	Design and inspection of labeling requirements	RS ISO 4074	3,495
<b>MATRESS</b>	Tensile properties (6 pieces)	RS EAS 7-1	24,000
	Tear resistance (6 pieces)	RS EAS 7-1	24,000
	Density	RS EAS 7-1	6,000
	Dimensions	RS EAS 7-1	3,750
	Compression set (3 pieces)	RS EAS 7-1	28,500
	Marking	RS EAS 7-1	3,495
<b>LEATHER MATERIALS</b>	Tensile strength of leather materials and Percentage extension of leather materials (6 pieces)	ISO 3376	18,000

Revision	01	Page 8 of 42	Date: 28	November 2014
----------	----	--------------	----------	---------------

	<b>RWANDA STANDARDS BOARD</b>  <b>Products and Services Charges</b>	<b>RSB/FIN/02</b>
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PRODUCT	TESTED PARAMETER	TEST METHOD (SOP)	COST (FRW)
	Resistance to tearing load of leather materials (6 pieces)	ISO 3377-1 &2	18,000
	Thickness of leather materials	RS ISO 2589	3,340
	Flex resistance of leather materials	ISO 5402	18,000
	Apparent density	ISO 2420	6,000
<b>TOILET PAPER</b>	Tensile strength (10 pieces)	RS EAS 355	18,000
	Tear strength (10 pieces)	RS EAS 355	18,000
	Tissue paper substance	RS EAS 355	3,750
	Dimensional test	RS EAS 355	4,250
<b>TEXTILE</b>	Tensile strength	ISO 13934-1	18,000
	Tear strength	ISO 9073-4	18,000
	Specific weight(mass per unit area)	ISO 3801	4,250
	Dimensional test	ISO 22198	4,250

## 2. Chemistry Laboratories

PRODUCT	PARAMETER	TEST METHOD (SOP)	COST (FRW)
<b>TEA</b>	Moisture content	NQTL/FAL/SOP-7	20,623
	Dry matter	NQTL/FAL/SOP-7	20,623
	Total ash content	NQTL/FAL/SOP-8	26,817
	Acid insoluble ash	NQTL/FAL/SOP-10	28,383
	water soluble ash	NQTL/FAL/SOP-12	28,383
	Alkalinity of water soluble ash	NQTL/FAL/SOP-13	10,878
	Water extract	NQTL/FAL/SOP-11	10,668
	Crude fiber	NQTL/FAL/SOP-9	46,216
	Caffeine	HPLC method	101,076
<b>COFFEE</b>	Moisture content	NQTL/FAL/SOP-14	11,844
	Total ash	NQTL/FAL/SOP-15	26,817
	Acid insoluble ash	NQTL/FAL/SOP-16	28,383
	Alkalinity of water soluble ash	NQTL/FAL/SOP-18	10,878
	Petroleum ether extract	NQTL/FAL/SOP-19	32,354
	Water soluble matter	NQTL/FAL/SOP-17	10,668
	Caffeine	HPLC method	101,076
	Ochratoxin A	TLU/FAL/SOP-1	178,667

Revision	01	Page 9 of 42	Date: 28	November 2014
----------	----	--------------	----------	---------------

	<b>RWANDA STANDARDS BOARD</b>  <b>Products and Services Charges</b>	<b>RSB/FIN/02</b>
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<b>BREAD</b>	Moisture Content	RS 71:2005	20,623
	pH of aqueous extract	RS 71:2005	11,051
	Acid insoluble ash	RS 71:2005	28,383
	Crude fiber	TLU/FAL/SOP-9	46,216
	Fat content	ASN 3173	32,354
	Aflatoxins (B1,B2,G1&G2,)	TLU/FAL/SOP-1	178,667
	Mycotoxins (Aflatoxins, Fumonisin B1&B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)	LC/MS-MS Method	341,686
<b>RICE</b>	Head Rice	RS 27:2007	3,506
	Broken Rice	RS 27:2007	3,506
	Damaged Rice	RS 27:2007	3,506
	Chalky	RS 27:2007	3,506
	Red or Red streaked	RS 27:2007	3,506
	Organic matters	ISO 605	3,506
	Inorganic matters	ISO 605	3,506
	Paddy grains	RS 27:2007	3,506
	Moisture content	NQTL/FAL/SOP-2	20,623
	Live weevils	ISO 605	3,506
	Filth	ISO 605	3,506
	Aflatoxins B1,B2,G1 and G2	TLU/FAL/SOP-1	178,667
	Mycotoxins (Aflatoxins, Fumonisin B1&B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)	LC/MS-MS Method	341,686
<b>FRESH MILK</b>	Fat content	NQTL/FAL/SOP-24	25,041
	Total Solid	NQTL/FAL/SOP-24	25,041
	freezing point depression	NQTL/FAL/SOP-24	25,041
	Lactose	NQTL/FAL/SOP-24	25,041
	Protein content	NQTL/FAL/SOP-24	25,041
	pH	RS 44:2012	11,051
	Solid Non Fat	NQTL/FAL/SOP-24	25,041
	Density	NQTL/FAL/SOP-24	25,041
	Acidity	NQTL/FAL/SOP-24	25,041
	pH variation	RS 38:2013	79,556
	Foreign matters	RS 38:2013	5,666
<b>MILK POWDER</b>	Fat content	GEA Niro A9a	32,354
	Protein content	NQTL/FAL/SOP-5	43,362
	Total solids	GEA Niro A1b	20,623
	Total ash	RS 45:2004	26,817
	Moisture content	GEA Niro A1b	20,623

Revision	01	Page 10 of 42	Date: 28	November 2014
----------	----	---------------	----------	---------------

	<b>RWANDA STANDARDS BOARD</b>  <b>Products and Services Charges</b>	<b>RSB/FIN/02</b>
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	Insolubility index	GEA Niro A3a	24,487
	Titratable acidity	GEA Niro A19a	25,041
<b>CHEESE</b>	Dry matter	AOAC 926.08	20,623
	Moisture content	NQTL/FAL/SOP-22	20,623
	Fat content	NQTL/FAL/SOP-23	32,354
	Protein	FT 120 ó AN 96a	27,011
	Salt	FT 120 ó AN 96a	27,011
	TS	FT 120 ó AN 96a	27,011
	<b>YOGURT</b>	Protein	NQTL/FAL/SOP-25
TS		NQTL/FAL/SOP-25	26,436
SNF		NQTL/FAL/SOP-25	26,436
Glucose		NQTL/FAL/SOP-25	26,436
Fructose		NQTL/FAL/SOP-25	26,436
Sucrose		NQTL/FAL/SOP-25	26,436
Lactose		NQTL/FAL/SOP-25	26,436
Carbohydrates		NQTL/FAL/SOP-25	26,436
Fat		NQTL/FAL/SOP-25	26,436
Lactic acid (TTA)		NQTL/FAL/SOP-25	26,436
<b>CREAM</b>	Fat content	FT 120 ó AN 98b	26,436
	Protein	FT 120 ó AN 98b	26,436
	TS	FT 120 ó AN 98b	26,436
	SNF	FT 120 ó AN 98b	26,436
<b>WHEY</b>	Fat	FT 120 ó AN 110a	25,041
	Total Solid	FT 120 ó AN 110a	25,041
	Protein	FT 120 ó AN 110a	25,041
<b>IMPROVED MILK</b>	Density	NQTL/FAL/SOP-24	25,041
	Protein content	NQTL/FAL/SOP-24	25,041
	Fat Content	NQTL/FAL/SOP-24	25,041
	TS	NQTL/FAL/SOP-24	25,041
	SNF	NQTL/FAL/SOP-24	25,041
	Lactose	NQTL/FAL/SOP-24	25,041
	FPD	NQTL/FAL/SOP-24	25,041
	Acidity	NQTL/FAL/SOP-24	25,041
	Citric Content	NQTL/FAL/SOP-24	25,041
FFA	NQTL/FAL/SOP-24	25,041	
<b>JUICE</b>	Glucose	NQTL/FAL/SOP-27	26,436
	Fructose	NQTL/FAL/SOP-27	26,436
	Sucrose	NQTL/FAL/SOP-27	26,436
	Citric acid	NQTL/FAL/SOP-27	26,436
	Malic acid	NQTL/FAL/SOP-27	26,436

Revision	01	Page 11 of 42	Date: 28	November 2014
----------	----	---------------	----------	---------------



	<b>RWANDA STANDARDS BOARD</b>  <b>Products and Services Charges</b>	<b>RSB/FIN/02</b>
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	Total Carbohydrates	NQTL/FAL/SOP-27	26,436
	TS	NQTL/FAL/SOP-27	26,436
	Soluble solids (Brix)	RS 77:2004	16,627
	pH	RS 77:2004	11,051
<b>FERMENTED MILK</b>	Fat	NQTL/FAL/SOP-25	26,436
	Protein	NQTL/FAL/SOP-25	26,436
	TS	NQTL/FAL/SOP-25	26,436
<b>CONCENTRED MILK</b>	Fat	FT 120 ó AN 113a	25,041
	TS	FT 120 ó AN 113a	25,041
	SNF	FT 120 ó AN 113a	25,041
<b>INFANT FORMULA</b>	Fat	FT 120 ó AN 112a	25,041
	TS	FT 120 ó AN 112a	25,041
	SNF	FT 120 ó AN 112a	25,041
<b>HONEY</b>	Glucose content	NQTL/FAL/SOP-26	26,436
	Sucrose content	NQTL/FAL/SOP-26	26,436
	Fructose content	NQTL/FAL/SOP-26	26,436
	Citric acid	NQTL/FAL/SOP-26	26,436
	Malic acid	NQTL/FAL/SOP-26	26,436
	Total carbohydrates	NQTL/FAL/SOP-26	26,436
	TS	NQTL/FAL/SOP-26	26,436
<b>MAIZE GRAINS</b>	Moisture content	NQTL/FAL/SOP-2	20,623
	Foreign matter	ISO 605	3,506
	Inorganic matter	ISO 605	3,506
	Broken grains	RS 25:2004	3,506
	Rotten and Diseased grains	RS 25:2004	3,506
	Total defective grains	RS 25:2004	3,506
	Live weevils	ISO 605	3,506
	Filth	ISO 605	3,506
	Aflatoxins B1,B2,G1 and G2	TLU/FAL/SOP-1	178,667
	Mycotoxins (Aflatoxins, Fumonisin B1&B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)	LC/MS-MS Method	341,686
	<b>Dry Beans</b>	Moisture content	NQTL/FAL/SOP-2
Foreign matter		ISO 605	3,506
Inorganic matter		ISO 605	3,506
Broken grains		EAS 46:2002	3,506
Total defective grains		EAS 46:2002	3,506
Pest defective grains		EAS 46:2002	3,506
Other defective grains		EAS 46:2002	3,506
Live weevils		ISO 605	3,506

Revision	01	Page 12 of 42	Date: 28	November 2014
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	<b>RWANDA STANDARDS BOARD</b>  <b>Products and Services Charges</b>	<b>RSB/FIN/02</b>
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	Filth	ISO 605	3,506
	Aflatoxins B1,B2,G1 and G2	TLU/FAL/SOP-1	178,667
	Mycotoxins (Aflatoxins, Fumonisin B1&B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)	LC/MS-MS Method	341,686
<b>PROCESSED CEREALS (FLOURS)</b>	Moisture content	NQTL/FAL/SOP-2	20,623
	Total ash	NQTL/FAL/SOP-3	26,817
	Acid insoluble ash	NQTL/FAL/SOP-4	28,383
	Fiber content	NQTL/FAL/SOP-9	46,216
	Fat content	ASN 3120	32,354
	Protein	NQTL/FAL/SOP-5	43,362
	Granularity	RS 268:2007	4715
	Starch	NIRS DS2500	30,889
	Aflatoxins B1,B2,G1 and G2	TLU/FAL/SOP-1	178,667
	Mycotoxins (Aflatoxins, Fumonisin B1&B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)	LC/MS-MS Method	341,686
<b>CASSAVA FLOUR AND GROUND CASSAVA LEAVES</b>	Moisture content	NQTL/FAL/SOP-2	20,623
	Crude ash	TLU/FAL/SOP-8	26,817
	Acid insoluble ash	NQTL/FAL/SOP-4	28,383
	Crude fiber	NQTL/FAL/SOP-9	46,216
	Starch	NIRS DS2500	30,889
	Aflatoxins B1,B2,G1 and G2	TLU/FAL/SOP-1	178,667
	Mycotoxins (Aflatoxins, Fumonisin B1&B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)	LC/MS-MS Method	341,686
<b>ANIMAL FEEDS</b>	Moisture content	NQTL/FAL/SOP-2	20,623
	Crude ash	TLU/FAL/SOP-8	26,817
	Acid insoluble ash	NQTL/FAL/SOP-4	28,383
	Crude fiber	NQTL/FAL/SOP-9	46,216
	Crude Fat	ASN 3166	32,354
	Crude Protein	NQTL/FAL/SOP-5	43,362
	Aflatoxins B1,B2,G1 and G2	TLU/FAL/SOP-1	178,667
	Mycotoxins (Aflatoxins, Fumonisin B1&B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)	LC/MS-MS Method	341,686
<b>BISCUITS</b>	Moisture content	NQTL/FAL/SOP-20	20,623
	Acid insoluble ash	NQTL/FAL/SOP-21	28,383
<b>MACADAMIA KERNELS</b>	Moisture	NQTL/FAL/SOP-2	20,623
	Total ash	NQTL/FAL/SOP-3	26,817

Revision	01	Page 13 of 42	Date: 28	November 2014
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	<b>RWANDA STANDARDS BOARD</b>  <b>Products and Services Charges</b>	<b>RSB/FIN/02</b>
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	Oil content		32,354
	Shrunken and Shriveled kernels	RS 170:2012	3,506
	Mouldy kernels	RS 170:2012	3,506
	Rotten and insects damaged	RS 170:2012	3,506
	Foreign matters	ISO 605	3,506
	Aflatoxins B1,B2,G1 and G2	TLU/FAL/SOP-1	178,667
	Mycotoxins (Aflatoxins, Fumonisin B1&B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)	LC/MS-MS Method	341,686
	Live Insects	ISO 605	3,506
<b>GROUNDNUTS</b>	Moisture content	EAS 57:2000	20,623
	Damaged kernels	EAS 57:2000	3,506
	Other defects	EAS 57:2000	3,506
	Unshelled kernels	EAS 57:2000	3,506
	Total defectives kernels	EAS 57:2000	3,506
	Foreign matters	ISO 605	3,506
	Oil content	ASN 3136	32,354
	Aflatoxins B1,B2,G1 and G2	TLU/FAL/SOP-1	178,667
	Mycotoxins (Aflatoxins, Fumonisin B1&B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)	LC/MS-MS Method	341,686
	<b>SWEETS</b>	Moisture content	AOAC - 925.45
Total ash		RS 94:2007	26,817
Acid insoluble ash,		RS 94:2007	28,383
Sulfated ash,		RS 94:2007	28,383
<b>TOFFU</b>	Moisture content	NQTL/FAL/SOP-2	20,623
	Crude fat	ASN 3136	32,354
	Crude protein	NQTL/FAL/SOP-5	43,362
<b>UREA</b>	Moisture	NQTL/FAL/SOP-28	20,623
	Nitrogen	NQTL/FAL/SOP-5	43,362
	pH	RS 106:2007	11,051
<b>NPK</b>	Moisture	NQTL/FAL/SOP-28	20,623
	Nitrogen	NQTL/FAL/SOP-5	43,362
	Phosphorus	KS 157:1998	37,403
	Potassium	KS 158:1999	21,494
	pH	RS 106:2007	11,051
<b>Calcium Ammonium Nitrate</b>	Moisture	NQTL/FAL/SOP-28	20,623
	Nitrogen	NQTL/FAL/SOP-5	43,362
<b>POTASSIUM</b>	Moisture	NQTL/FAL/SOP-28	20,623

Revision	01	Page 14 of 42	Date: 28	November 2014
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RWANDA STANDARDS BOARD

RSB/FIN/02

Products and Services Charges

<b>CHLORIDE/MoP</b>	Potassium	KS 158:1999	21,494
	pH	RS 106:2007	11,051
<b>DAP/MAP</b>	Moisture	NQTL/FAL/SOP-28	20,623
	Nitrogen	NQTL/FAL/SOP-5	43,362
	Phosphorus	KS 157:1998	37,403
	pH	RS 106:2007	11,051
<b>Compost/ Organic manure</b>	Moisture	NQTL/FAL/SOP-28	20,623
	Nitrogen	NQTL/FAL/SOP-5	43,362
	Phosphorus	KS 157:1998	37,403
	Potassium	KS 158:1999	21,494
	Organic matters	NQTL/FAL/SOP-3	26,817
	C/N Ratio	Conversion method	62,634
	pH	RS 106:2007	11,051
<b>Chili sauce</b>	Total solids	RS 123:2012	17,416
	Acidity as acetic acid	RS 123:2012	7,698
<b>WATER</b>	pH	ISO 10523:2008	11,051
	TDS	ISO 7888:1985 (E)	11,054
	Conductivity	ISO 7888:1985 (E)	11,054
	Sulfate as SO <sub>4</sub> <sup>2-</sup>	AOAC 973.57	27,171
	Chloride as Cl-	NQTL/ICH/SOP-5	17,689
	Sodium as Na <sup>+</sup>	NQTL/ICH/SOP-10	21,494
	Potassium as K <sup>+</sup>	NQTL/ICH/SOP-9	21,494
	Lead as Pb <sup>2+</sup>	NQTL/ICH/SOP-12	35,462
	Arsenic (Total)	NQTL/ICH/SOP-12	35,462
	Mercury as Hg <sup>2+</sup>	NQTL/ICH/SOP-12	35,462
	Magnesium as Mg <sup>2+</sup>	NQTL/ICH/SOP-12	35,462
	Manganese as Mn <sup>2+</sup>	NQTL/ICH/SOP-12	35,462
	Chromium (Total)	NQTL/ICH/SOP-12	35,462
	Calcium s Ca <sup>2+</sup>	NQTL/ICH/SOP-12	35,462
	Cadmium as Cd <sup>2+</sup>	NQTL/ICH/SOP-12	35,462
	Zinc as Zn <sup>2+</sup>	NQTL/ICH/SOP-12	35,462
	Tin as Sn <sup>3+</sup>	NQTL/ICH/SOP-12	35,462
	Aluminium as Al <sup>3+</sup>	NQTL/ICH/SOP-12	35,462
	Iron as Fe <sup>2+</sup>	NQTL/ICH/SOP-12	35,462
	Copper as Cu <sup>2+</sup>	NQTL/ICH/SOP-12	35,462
	Copper as Ba <sup>2+</sup>	NQTL/ICH/SOP-12	35,462
	Copper as Bi <sup>2+</sup>	NQTL/ICH/SOP-12	35,462
	<b>HEAVY METALS in Digestible Matrices</b>	Sodium as Na <sup>+</sup>	NQTL/ICH/SOP-13
Potassium as K <sup>+</sup>		NQTL/ICH/SOP-13	42,512
Iron as Fe <sup>2+</sup>		NQTL/ICH/SOP-13	42,512

Revision	01	Page 15 of 42	Date: 28	November 2014
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	<b>RWANDA STANDARDS BOARD</b>  <b>Products and Services Charges</b>	<b>RSB/FIN/02</b>
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including but not limited to Flours, Beverages, Cooking Oil, Honey, Salts, Sugar, Cosmetics, limes, Meat products, Soft Drinks and Juices.	Copper as Cu <sup>2+</sup>	NQTL/ICH/SOP-13	42,512
	Chromium (Total)	NQTL/ICH/SOP-13	42,512
	Cadmium as Cd <sup>2+</sup>	NQTL/ICH/SOP-13	42,512
	Calcium as Ca <sup>2+</sup>	NQTL/ICH/SOP-13	42,512
	Magnesium Mg <sup>2+</sup>	NQTL/ICH/SOP-13	42,512
	Manganese as Mn <sup>2+</sup>	NQTL/ICH/SOP-13	42,512
	Aluminium as Al <sup>3+</sup>	NQTL/ICH/SOP-13	42,512
	Nickel as Ni <sup>3+</sup>	NQTL/ICH/SOP-13	42,512
	Tin as Sn <sup>3+</sup>	NQTL/ICH/SOP-13	42,512
	Lead as Pb <sup>2+</sup>	NQTL/ICH/SOP-13	42,512
	Mercury as Hg <sup>2+</sup>	NQTL/ICH/SOP-13	42,512
	Arsenic (Total)	NQTL/ICH/SOP-13	42,512
	Barium as Ba <sup>2+</sup>	NQTL/ICH/SOP-13	42,512
	Zinc as Zn <sup>2+</sup>	NQTL/ICH/SOP-13	42,512
	Titanium as Ti <sup>2+</sup>	NQTL/ICH/SOP-13	42,512
Bismuth as Bi <sup>2+</sup>	NQTL/ICH/SOP-13	42,512	
<b>HONEY</b>	Moisture content	RS 141:2007	11,182
	Total ash	RS 164:2007	26,817
	Acidity	RS 164:2007	11,209
	Hydroxymethyl furfural (HMF)	RS 164:2007	30,286
	Fieheø test	RS 164:2007	8,912
	Total Water Insoluble matter	RS 164:2007	13,668
	Relative Density	RS 164:2007	13,753
<b>SUGAR</b>	Polarization	KS 05-58:1998	19,488
	Moisture Content	KS 05-58:1998	20,623
	Sulfur dioxide	KS 05-58:1998	12,250
	Conductivity ash	KS 05-58:1998	15,041
	Total Water Insoluble	KS 05-58:1998	13,668
	Colour	KS 05-58:1998	25,041
<b>SALTS</b>	Water Insoluble matter	KS 05-2029:1989	13,668
	Sulfates	KS 05-2029:1989	15,613
	Total Chloride as (NaCl)	KS 05-2029:1989	17,689
	Iodine	AOAC 925.56	21,328
	Moisture content	KS 05-2029:1989	20,623
<b>COOKING OIL</b>	Refractive Index	ISO 6320:1998	11,182
	Moisture content	ISO 662:1998	20,623
	Peroxide value	NQTL/ICH/ SOP-5	14,354
	Saponification Value	NQTL/ICH/ SOP-6	18,011
	Acid value	NQTL/ICH/ SOP-7	16,011
	Relative Density	EAS 316: 2002	13,753

Revision	01	Page 16 of 42	Date: 28	November 2014
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	<b>RWANDA STANDARDS BOARD</b>  <b>Products and Services Charges</b>	<b>RSB/FIN/02</b>
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	Iodine value	EAS 309:2002	17,030
	Soap content	NQTL/ICH/ SOP-3	12,651
	Free fatty acid	AOAC 940. 28	14,056
	Insoluble impurities	NQTL/ICH/ SOP-4	32,327

PRODUCT	PARAMETER	TEST METHOD (SOP)	COST (FRW)
<b>ALCOHOLIC BEVERAGES</b> (Rum, Gin, whisky, Brandy, wine, Beer, vodka )	Ethanol content	NQTL/OCH/SOP-01	36,220
	Volatile acids as acetic acid	NQTL/OCH/SOP-02	28,880
	Total acidity as tartaric acid	NQTL/OCH/SOP-03	11,750
	Ester as ethyl acetate	RS EAS 104: 2000 Clause 11	30,715
	Aldehydes as acetaldehydes	RS EAS 104: 2000 Clause 12	33,345
	Ash	RS EAS 104: 2000 Clause 17	26,960
	Suspended solids	RS EAS 104: 2000 Clause 18	22,455
	Dissolved solids	RS EAS 104: 2000 Clause 19	21,900
	Total solids	RS EAS 104: 2000 Clause 20	20,845
	pH	ISO 1842	10,720
<b>BAR SOAPS</b> (Toilet soaps, Laundry bar soap)	Total free alkali as Na <sub>2</sub> O	ISO 684	25,480
	Total fatty matter	NQTL/OCH/SOP-12	35,865
	Matter insoluble in ethanol	ISO 673	20,350
	Matter insoluble in water	ISO 6839	20,850
	Free caustic alkali as NaOH	ISO 456	25,480
	Moisture and volatile matter	ISO 672	20,845
<b>LIQUID SOAPS</b> (Liquid household hand dishwashing and lighty duty detergent; Synthetic organic liquid detergent for household use )	Solubility in water	RS 383 Annex A	13,466
	Matter insoluble	RS 250 Annex A	12,640
	pH at 27°C	RS 250 Annex B	10,720
	Rinsing properties	RS 250 Annex C	6,652
	Moisture and volatile matter	RS 250 Annex D	20,845
	Inorganic salt	RS 250 Annex E	19,960
	Total fatty matter	NQTL/OCH/SOP-12	32,665
	Matter insoluble in ethanol	ISO 673	19,150
	Free caustic alkali as K <sub>2</sub> O	ISO 456	24,280

Revision	01	Page 17 of 42	Date: 28	November 2014
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	<b>RWANDA STANDARDS BOARD</b>  <b>Products and Services Charges</b>	<b>RSB/FIN/02</b>
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	pH	ISO 4316	11,051
<b>SKIN POWDERS</b>	Solubility of colours	RS 101 : 2006 Annex A	3,800
	Matter insoluble in boiling water	RS 101 : 2006 Annex B	12,640
	Moisture and Volatile matter	RS 101 : 2006 Annex D	20,845
	pH of aqueous suspension	RS 101 : 2006 Annex E	10,720
<b>SCOURING POWDER</b>	Volatile Matter	EAS 294:2001 Clause 6.2	20,845
	Free alkali content (as NaOH)	EAS 294:2001 Clause 6.3	25,480
	Matter insoluble in water	EAS 294:2001 Clause 6.5	12,640
	pH of 1 % solution	EAS 294:2001	10,720
<b>SANITARY TOWELS</b>	pH value	EAS 261, Method Ba)	10,720
	Absorbency capacity	EAS 96:2008 Annex C	11,200
	Moisture content of filler material	EAS 96:2008 Annex E	20,845
<b>SKIN CARE CREAMS, LOTIONS AND GELS</b>	Thermal stability	EAS 786: 2013 Annex A	79,590
	pH range	EAS 786: 2013 Annex B	10,720
	Total fatty substance content	EAS 786: 2013 Annex C	22,345
	Hydroquinone	HPLC-UV/Vis	38,790
<b>POMADES AND SOLID BRILLIANTINES</b>	Sulphated ash	EAS 342: 2013 Annex B	29,980
<b>TOILET PAPER</b>	Water absorption	EAS 355: 2004 Annex C	9,880
	pH value, hot extract	EAS 355: 2004 Annex D	11,051
	Moisture content	EAS 355: 2004 Annex E	20,845
<b>PETROLEUM PRODUCTS</b> (Gasoline, Diesel, Kerosene, Engine Oil)	Distillation	ASTM D 86 - 09	31,780
	Kinematic Viscosity	ASTM D 445 - 09	17,500
	Relative Density	ASTM D 6822 - 02	13,800
	Research Octane Number (Ron)	ERASPEC	21,675
	Motor Octane Number (Mon)	ERASPEC	21,675
	Aromatics Content	ERASPEC	21,675
	Methanol	ERASPEC	21,675
	Olefin Content	ERASPEC	21,675
	Ethanol	ERASPEC	21,675
	Oxygen Content	ERASPEC	21,675
	Flash Point	ASTM D56 - 05	31,500
	Cetane Number	ERASPEC	21,675

Revision	01	Page 18 of 42	Date: 28	November 2014
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	<b>RWANDA STANDARDS BOARD</b>  <b>Products and Services Charges</b>	<b>RSB/FIN/02</b>
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	Cetane Index	ERASPEC	21,675
	Polyaromatic hydrocarbons (PAH)	ERASPEC	21,675
	FAMES	ERASPEC	21,675
<b>ESSENTIAL OIL</b>	Acid value	ISO 1242	25,480
	Ester value	ISO 709	22,436
	Refractive index	ISO 280	10,870
	Flash Point	ISO/TR 11018	31,500
<b>MILK and MILK PRODUCT</b>	Tetracyclines	LC/MS/MS	156,740
	Nitrofurans	LC/MS/MS	108,370
	Antibiotics (6 Beta Lactam)	LC/MS/MS	204,192
	Chloramphenicol	LC/MS/MS	42,312
	Organophosphorus pesticides (OPPs )	GC/MS/MS	126,700
	Organochlorine Pesticides (OCPs )	GC/MS/MS	126,700
<b>CURRY and CHILI POWDER</b>	Sudan I,II,III,IV	LC/MS/MS	152,468
	Sudan red 7B	LC/MS/MS	38,300
	Sudan Orange G	LC/MS/MS	38,300
	Rhodamine B	LC/MS/MS	38,300
<b>DRINKING WATER</b>	Polychromatic Hydrocarbons (PAH)	GCMS	106,714
	Organophosphorus pesticides	GC/MS/MS	106,714
	Organochlorine Pesticides	GCMSMS	106,714
<b>HONEY</b>	Organophosphorus pesticides	GC/MS/MS	136,700
	Organochlorine Pesticides	GC/MS/MS	136,700
	Carbamates	LC/MS/MS	137,445

### 3. Microbiology

<b>Water Filters</b>	TVC- challenge water	NQTL/MIC/SOP-01	32424
	TVC- filtered water	NQTL/MIC/SOP-01	32424
	E. coli- challenge water	NQTL/MIC/SOP-04	32484
	E. coli- filtered water	NQTL/MIC/SOP-04	32484
<b>Diluted and Neat</b>	E Coli-Diluted samples	NQTL/MIC/SOP-04	35050

Revision	01	Page 19 of 42	Date: 28	November 2014
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	<b>RWANDA STANDARDS BOARD</b>  <b>Products and Services Charges</b>	<b>RSB/FIN/02</b>
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<b>samples</b>	E Coli-Neat samples	NQTL/MIC/SOP-04	32324
	E Coli-Water samples	NQTL/MIC/SOP-04	32484
	Faecal Coliforms - DILUTED samples	NQTL/MIC/SOP-03	31147
	Faecal Coliforms - Neat samples	NQTL/MIC/SOP-03	28421
	Faecal Coliforms-water samples	NQTL/MIC/SOP-04	32424
	S. Aureus-Diluted samples	NQTL/MIC/SOP-12	35545
	S. Aureus-Neat samples	NQTL/MIC/SOP-12	32929
	S. Aureus-Water samples	NQTL/MIC/SOP	33088
	Salmonella spp-Diluted samples	NQTL/MIC/SOP-10	56385
	Salmonella spp-Water samples	NQTL/MIC/SOP-09	56545
	Sulfite Reducing Anaerobes-Diluted samples	ISO 15213	30540
	Sulfite Reducing Anaerobes-Neat samples	ISO 15213	27814
	Sulfite Reducing Anaerobes-Water samples	ISO 6461-2	27880
	TC - DILUTED samples	NQTL/MIC/SOP-03	34990
	TC- water samples	NQTL/MIC/SOP-04	32424
	TC-Neat samples	NQTL/MIC/SOP-03	32264
	TVC - Diluted samples	NQTL/MIC/SOP-02	41145
	TVC- NEAT Samples	NQTL/MIC/SOP-02	31808
	TVC-Water	NQTL/MIC/SOP-01	35811
	Y&M - Diluted samples	NQTL/MIC/SOP-06	50607
Y&M-Neat samples	NQTL/MIC/SOP-05or 07	39865	

Revision	01	Page 20 of 42	Date: 28	November 2014
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RWANDA STANDARDS BOARD

RSB/FIN/02

Products and Services Charges

	Listeria Spp- Diluted samples	ISO 11290-1	56385
	Listeria Spp- Neat samples	ISO 11290-1	56385
	Shigella Spp- Diluted samples	ISO 21567	56385
	Shigella Spp- Neat samples	ISO 21567	56385
	Vibrio ssp - Neat samples	ISO8914	56385
	Vibrio ssp ó Diluted samples	ISO8914	56385

	<b>RWANDA STANDARDS BOARD</b>  <b>Products and Services Charges</b>	<b>RSB/FIN/02</b>
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## CERTIFICATION SERVICES CHARGES

REVISED NOVEMBER 2014

**NB:** The following cost are subsidized;

- Auditor travel costs within Kigali or elsewhere within the country
- Mission allowances
- Testing cost for Samples taken during Surveillance Audits (applicable to Product Certification only)
- Testing Cost for Market Surveillance Samples (applicable to Product Certification only)

**RSB reserve the right to revise the fees when deemed necessary**

### 1. Product certification

Activity	Amount (RwF)	Rational
<b>Initial certification</b>		
Cost for Application	30,000	Administrative Service Cost including Application Review
Factory Audit	Basic audit cost per category;  <b>Category A</b> 100,000 RWF with 1 ó 20 full time employees  <b>Category B</b> 200,000 with 20 - 50 full time employees  <b>Category C</b> 400,000 with over 50 full time employees  Plus  30,000 for each additional product	<u>Assessment</u> <ul style="list-style-type: none"> <li>• Initial auditing</li> <li>• Sampling</li> </ul>
Testing cost for sample(s) taken during the initial audit	Published by RSB Quality Testing Laboratory Division. The cost will vary depending on parameters as per relevant standard	In addition to Audit Report, Test Results is part of the basis for Certification Decision
License for two (2) years	100,000 per product.	Administrative Service Cost <ul style="list-style-type: none"> <li>• Issuance of License</li> <li>• Surveillance audit at the factory at least once in certification cycle</li> <li>• Market Surveillance at least twice in certification cycle</li> </ul>
Revision	01	Page 22 of 42
		Date: 28
		November 2014

	<b>RWANDA STANDARDS BOARD</b>  <b>Products and Services Charges</b>	<b>RSB/FIN/02</b>
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Re-certification		
Renewal of Certification Contract. Process begins two months towards end of the 2 years	The same as above minus cost for application	At the point RSB already has the details of the client
<p><b>Formula:</b></p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <math display="block">PCF = CAp + cBAC + n-1(AdP) + n(CPL)</math> </div> <p><b>Where;</b></p> <ul style="list-style-type: none"> <li>• PCF is Product Certification Fee,</li> <li>• CAp is Cost for Application,</li> <li>• cBAC is Category Basic Audit Cost,</li> <li>• n-1(CAdP) is Number of additional product(s) X Cost for Additional Product,</li> <li>• n(CPL) is Number of product(s) X Cost of Product License</li> </ul>		

## 2. HACCP system certification

Activity	Amount (RwF)	Rational
<b>Pre-assessment (Gap analysis)</b>	Free service	To give chance all enterprises to know how far or near they are towards Certification readiness
<b>Cost for Application</b>	30,000	Administrative Service Cost including Application Review
<b>Stage 1 audit (Desk audit + onsite visit)</b>	Stage 1 audit cost per category <b>Category A</b> 100,000 with 1 ó 20 fulltime employees  <b>Category B</b> 200,000 with 20 - 50 fulltime employees  <b>Category C</b> 300,000 with over 50 fulltime employee  <b>NB:</b> Extra 100, 000 will be paid for onsite (client's premises) Desk audit i.e Desk audit not done at RSB headquarters.	<ul style="list-style-type: none"> <li>• Review of Enterprise HACCP Documentation</li> <li>• Generate Report to client on documentation status</li> <li>• Enterprise on-site visit to determine client's readiness to stage 2 audit and feasibility</li> </ul>
<b>Stage 2 audit (Site audit)</b>	50,000 per audit day  Days are calculated according to <ul style="list-style-type: none"> <li>• ISO/TS 22003 Food safety management systems ó Requirements for bodies providing audit and certification of food safety management systems</li> </ul>	<ul style="list-style-type: none"> <li>• Preparation for on-site audit</li> <li>• Auditing</li> <li>• Report generation to client</li> <li>• Closure of non-conformities if any</li> <li>• Submission of Client's file for Certification decision</li> </ul>

Revision	01	Page 23 of 42	Date: 28	November 2014
----------	----	---------------	----------	---------------

	<b>RWANDA STANDARDS BOARD</b>  <b>Products and Services Charges</b>	<b>RSB/FIN/02</b>
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License for three (3) years	50,000	Administrative Service Cost for License issuance
Surveillance audits (at least once a year)	50,000 per audit day	Assessment for continual compliance Report generation to client about the status
<b>RE-CERTIFICATION</b>		
Renewal of Certification Contract. Process begins two months towards end of the 3 years	The same as above minus cost for application	At the point RSB already has the details of the client

### 3. System (FSMS, QMS & EMS) certification

Pre-assessment (Gap analysis)	Free service	To give chance all enterprises to know how far or near they are towards Certification readiness
Cost for Application	50,000	Administrative Service Cost including Application Review
<b>Stage 1 audit (Desk audit + onsite visit)</b>	Stage 1 audit cost per category  <b>Category A</b> 100,000 RWF with 1 ó 20 employees  <b>Category B</b> 200,000 with 20 - 50 fulltime employees  <b>Category C</b> 400,000 with over 50 fulltime employee  <b>NB:</b> Extra 200, 000 will be paid for onsite (client's premises) Desk audit i.e Desk audit not done at RSB headquarters.	<ul style="list-style-type: none"> <li>• Review of Enterprise System Documentation</li> <li>• Generate Report to client on documentation status</li> <li>• Enterprise on-site visit to determine client's readiness to stage 2 audit and feasibility</li> </ul>
<b>Stage 2 audit (Site audit)</b>	100,000 per audit day (man day)  Days are calculated according to <ul style="list-style-type: none"> <li>• IAF MD 5:2009 IAF Mandatory Document for Duration of QMS and EMS Audits</li> <li>• ISO/TS 22003 Food safety management systems ó Requirements for bodies providing audit and certification of food safety management systems</li> </ul>	<ul style="list-style-type: none"> <li>• Preparation for on-site audit</li> <li>• Auditing</li> <li>• Report generation to client</li> <li>• Closure of non-conformities if any</li> <li>• Submission of Client's file for Certification decision</li> </ul>

Revision	01	Page 24 of 42	Date: 28	November 2014
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	<b>RWANDA STANDARDS BOARD</b>  <b>Products and Services Charges</b>	<b>RSB/FIN/02</b>
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<b>License for three (3) years</b>	50,000RWF	Administrative Service Cost for License issuance
<b>Surveillance audits (at least once a year)</b>	100,000 per audit day	Assessment for continual compliance
<b>Renewal of Certification Contract. Process begins two months towards end of the 3 years</b>	The same as above minus cost for application	At the point RSB already has the details of the client

Calculation of minimum initial certification for **Food Safety Management System** audit time, the minimum audit time for a single site,  $T_s$ , expressed in days, is calculated as follows: Client with **multiple site will pay additional amount** as per Table B.1 of ISO/TS 22003

$$T_s = TD + TH + TMS + TFTE$$

**Where;**

$TD$  is the basic on-site audit time, in days;

$TH$  is the number of audit days for additional HACCP studies;

$TMS$  is the number of audit days for absence of relevant management system;

$TFTE$  is the number of audit days per number of employees.

Revision	01	Page 25 of 42	Date: 28	November 2014
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	<b>RWANDA STANDARDS BOARD</b>  <b>Products and Services Charges</b>	<b>RSB/FIN/02</b>
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## METROLOGY SERVICES CHARGES

The price of services offered by Metrology Division for verification and calibration of measuring instruments is determined mainly according to the following:

### 1. Fixed Costs (FC)

#### 1.1 Cost of Physical Standards (CPS)

The price includes the cost of standards equipment (recoup price, insurance cost and traceability cost)

#### 1.2 Cost of Laboratory infrastructure (CLI)

This price includes the cost of construction, heating/cooling, lighting, insurance, í

### 2 Variable Costs (VC)

#### 2.1 Cost of Laboratory consumables (CLC)

This price includes all consumables in the lab like paper, electricity, water, stickers, oil, seals,

#### 2.2 Direct labor (DL)

The price include salaries of staff and allowances

### 3 Gross Margin (GM)

The price includes complexity in calibration, care and handling of instruments and standards í

**Note:** The service fee by unit is obtained by summing fixed and variable costs taking into account time and number of staff to offer the service.

1)  $FC = CPS + CLI$

2)  $VC = CLC + DL$

3)  $TC = (FC + VC) * (1 + GM \%)$

Revision	01	Page 26 of 42	Date: 28	November 2014
----------	----	---------------	----------	---------------

	<b>RWANDA STANDARDS BOARD</b>  <b>Products and Services Charges</b>	<b>RSB/FIN/02</b>
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4)  $SF = TC * H / 9$  Where SF is service fees and H is number of hours for the service.

**Note:** All costs are evaluated by working hours per day (9 hours)

S/N	Product Class	Equipment	Capacity	Calibration Charges	Verification Charges	Prepackage and Licensing Charges
		<b>Analytical balances d/e ≥ 0.0001g</b>	0-2kg	50,000	4,000	
			2.1-10kg	55,000	4,400	
			10.1-20.1kg	60,000	4,800	
			Over 20kg	70,000	5,600	
		<b>Precision balances d/e ≥ 0.001g</b>	[0-5kg]	49,000	3,920	
			[5-10kg]	55,000	4,400	
			[10-20kg]	60,000	4,800	
			Over20kg	70,000	5,600	
		<b>Ordinary scales d/e ≥ 0.01g</b>	[0-10kg]	40,000	3,200	
			[10.1-20kg]	50,000	4,000	
			[20.1-50kg]	55,000	4,400	
			[50.1-100kg]	61,000	4,880	
			[100.1-200kg]	66,000	5,280	
			[200.1-300kg]	71,000	5,680	
			[300.1-500kg]	75,000	6,000	
			[500.1-1000kg]	81,000	6,480	

Revision	01	Page 27 of 42	Date: 28	November 2014
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## RWANDA STANDARDS BOARD

RSB/FIN/02

## Products and Services Charges

	<b>Ordinary scales d/e≥0.1g</b>	[0-100kg]	40,000	3,200	
		[100.1-150kg]	50,000	4,000	
		[150.1-200kg]	55,000	4,400	
		[200.1-300kg]	61,000	4,880	
		[300.1-500kg]	66,000	5,280	
		[500.1-1000kg]	71,000	5,680	
	<b>Ordinary scales d/e=1g</b>	[0-100kg]	39,000	3,120	
		[100.1-150kg]	44,000	3,520	
		[150.1-200kg]	49,000	3,920	
		[200.1-300kg]	54,000	4,320	
		[300.1-500kg]	59,000	4,720	
		[500.1-1000kg]	64,000	5,120	
	<b>Ordinary scales d/e &gt;=1.1g</b>	[0-100kg]	39,000	3,120	
		[100.1-150kg]	44,000	3,520	
		[150.1-200kg]	49,000	3,920	
		[200.1-300kg]	54,000	4,320	
		[300.1-500kg]	59,000	4,720	
		[500.1-1000kg]	64,000	5,120	
	<b>High load weighers (e.g. chutes, cranes, weighbridges)/T ensil testers</b>	1.1-2tons	80,000	6,400	
		2.1-3tons	85,000	6,800	
		3.1-5tons	90,000	7,200	
5.1-10tons		95,000	7,600		
10.1-20tons		120,000	9,600		
Revision	01	Page 28 of 42	Date: 28	November 2014	



## RWANDA STANDARDS BOARD

RSB/FIN/02

## Products and Services Charges

	20.1-30tons	145,000	11,600	
	30.1-50tons	215,000	17,200	
	50.1-100tons	304,000	24,320	
<b>Precision Weights</b>	E2 (1mg-20kg)	90,000	7,200	
	F1 (1mg-20kg)	79,000	6,320	
	F2 (1mg-20kg)	64,000	5,120	
<b>Dead weights</b>	0-100kg	30,000	2,400	
	100.1-200kg	32,000	2,560	
	200.1-500kg	35,000	2,800	
	500.1-1000kg	45,000	3,600	
<b>Ordinary Weights</b>	1mg-20kg	30,000	2,400	
	20.1kg-50kg	40,000	3,200	
	M1:2 KG	1,000	80	
	M1:5 KG	2,000	160	
	M1:10 KG	2,000	160	
	M1:20 KG	4,000	320	
	M1:50 KG	20,000	1,600	
	M1:100 KG	30,000	2,400	
	M1:200 KG	32,000	2,560	
	M1:500 KG	35,000	2,800	
	M1:1 T KG	45,000	3,600	
	M1:2 T KG	100,000	8,000	
	M1:5 T KG	200,000	16,000	
	M2:2 KG	1,000	80	
	M2:5 KG	2,000	160	
	M2:10 KG	2,000	160	
	M2:20 KG	4,000	320	
	M2:50 KG	20,000	1,600	
	M2:100 KG	30,000	2,400	



## RWANDA STANDARDS BOARD

RSB/FIN/02

## Products and Services Charges

2		M2:200 KG	32,000	2,560	
		M2:500 KG	35,000	2,800	
		M2:1 T KG	45,000	3,600	
		M2:2 T KG	100,000	8,000	
		M2:5 T KG	200,000	16,000	
		M3:2 KG	1,000	80	
		M3:5 KG	2,000	160	
		M3:10 KG	2,000	160	
		M3:20 KG	4,000	320	
		M3:50 KG	20,000	1,600	
		M3:100 KG	30,000	2,400	
		M3:200 KG	32,000	2,560	
		M3:500 KG	35,000	2,800	
		M3:1 T KG	45,000	3,600	
		M3:2 T KG	100,000	8,000	
		M3:5 T KG	200,000	16,000	
	Electrical Measurements	<b>Rotating reference watt-hour meter</b>		25,000	5,000
<b>Single phase watt-hour meter</b>			23,000	4,600	
<b>Polyphase Analogue watt-hour meter</b>			30,000	6,000	
<b>Single phase Electronic watt-hour Meter</b>			23,000	4,600	
<b>Polyphase Electronic watt-hour Meter</b>			30,000	6,000	
<b>Var/Reactive/Active-hour meter</b>			30,000	6,000	
<b>Inductor/capacitance meter</b>			25,000	5,000	

Revision

01

Page 30 of 42

Date: 28

November 2014



## RWANDA STANDARDS BOARD

RSB/FIN/02

## Products and Services Charges

	pH meters		20,000	4,000	
	Voltmeters & Ammeters		20,000	4,000	
	Resistance meters		24,000	4,800	
	Conductivity meters		16,000	3,200	
	Multimeters		24,000	4,800	
	Voltage working standards		50,000	10,000	
	Current working standards		50,000	10,000	
	Resistance working standards		50,000	10,000	
	Inductor/capacitance working standards		50,000	10,000	
	AC/DC bridges		30,000	6,000	
	Standards cells enclosures		100,000	20,000	
	Power meters		45,000	9,000	
	Powers sources		45,000	9,000	
	Noise meters		45,000	9,000	
	Frequency meters		45,000	9,000	
	Time meters		25,000	5,000	
	Oscilloscopes		62,000	31,000	
	Current shunts		25,000	25,000	
	Timers		25,000	12,500	
	Signal Generators		45,000	45,000	
	Communication s monitors		95,000	95,000	
	Current and Voltage transformer		40,000	40,000	
Revision	01	Page 31 of 42	Date: 28	November 2014	



RWANDA STANDARDS BOARD

RSB/FIN/02

Products and Services Charges

		<b>Measurement Amplifiers</b>	All types and sizes	45,000	45,000	
3	Length Measurements	<b>Block gauges (Grade AS1,AS2Grade)</b>		31,000	2,480	
		<b>Vernier calipers, Height gauges, Micrometer screw gauges ,Depth gauges (0.001 mm &amp;0.01mm)</b>	0-30 cm	10,000	800	
			>30 cm	20,000	1,600	
		<b>Rulers and Meter bars</b>	0-30 cm	5,000	400	
			30.1-50 cm	7,500	600	
			50.1-100 cm	10,000	800	
			>100 cm	20,000	1,600	
		<b>Penetrometers</b>		18,000	1,440	
		<b>Tape meters</b>	0-5 m	5,000	400	
			5.1-20 m	10,000	800	
		<b>Dip sticks</b>		50,000	4,000	
		<b>Snap gauges</b>		20,000	1,600	
		<b>Plug gauges</b>		20,000	1,600	
5	Pressure measurements	<b>Pressure balance</b>		200,000	16,000	
		<b>Master pressure gauge</b>		40,000	3,200	
		<b>Industrial pressure gauge</b>		15,000	1,200	
		<b>Tyre pressure gauge</b>		15,000	1,200	
5	Temperature measurements	<b>Cooler</b>		45,000	45,000	
		<b>Freezer</b>		25,000	25,000	
		<b>Autoclave</b>		85,000	85,000	
		<b>Liquid in Glass Thermometer</b>		20,000	1,600	

Revision

01

Page 32 of 42

Date: 28

November 2014

	<b>RWANDA STANDARDS BOARD</b>  <b>Products and Services Charges</b>	<b>RSB/FIN/02</b>
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		<b>Incubator</b>		25,000	25,000	
		<b>Oven</b>		25,000	25,000	
		<b>Refrigerator</b>		15,000	15,000	
		<b>Thermocouple</b>		25,000	2,000	
		<b>Water Bath</b>		25,000	25,000	
		<b>Trucker Cooler</b>		60,000	60,000	
		<b>Cold Room(1 Chamber)</b>		80,000	80,000	
		<b>Cold Room (2 Chambers)</b>		120,000	120,000	
		<b>Cold Room (more than 2 Chambers)</b>		80000+N*50000	80000+N*50000	
		<b>Dial Gauge/Digital Thermometer</b>		20,000	1,600	
		<b>Furnace</b>		50,000	50,000	
		<b>Platinum Resistance Thermometer</b>		25,000	2,000	
		<b>Moisture meters</b>		45,000	3,600	
		<b>Hygrometer</b>		20,000	1,600	
		<b>Hot plates</b>		15,000	15,000	
<b>6</b>	<b>Volume &amp; flow measurements</b>	<b>Volumetric Test measures</b>	5 L	7,000	7,000	
			10 L	13,000	13,000	
			20 L	16,000	16,000	
	<b>Prover Tanks</b>	50 L	24,000	24,000		
		100 L	30,000	30,000		
		200 L	36,000	36,000		
		250 L	40,000	40,000		
		500 L	48,000	48,000		
		1000 L	55,000	55,000		
		2500 L	71,000	71,000		
		3000 L	88,000	88,000		

Revision	01	Page 33 of 42	Date: 28	November 2014
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## RWANDA STANDARDS BOARD

RSB/FIN/02

## Products and Services Charges

	5000 L	117,000	117,000	
	< 20 L	15,000	15,000	
	> 20.1 L < 200 L	29,000	29,000	
	> 200.1 L < 500 L	37,000	37,000	
	> 500.1 L < 1000 L	44,000	44,000	
	> 1000.1 L < 3000 L	70,000	70,000	
	> 3000.1 L < 5000 L	80,000	80,000	
	> 5000.1 L < 7000 L	92,000	92,000	
	> 7000.1 L < 9000 L	110,000	110,000	
	> 9000.1 L < 11000 L	130,000	130,000	
	> 11000.1 L < 13000 L	150,000	150,000	
	> 13000.1 L < 15000 L	171,000	171,000	
	> 15000.1 L < 17000 L	190,000	190,000	
	> 17000.1 L < 19000 L	214,000	214,000	
	> 19000.1 L < 21000 L	268,000	268,000	
	> 21000.1 L < 23000 L	322,000	322,000	
	> 23000.1 L < 25000 L	429,000	429,000	
	> 25000.1 L < 27000 L	645,000	645,000	
	> 27000.1 L < 29000 L	858,000	858,000	
	> 29000.1 L < 31000 L	1,070,000	1,070,000	
	> 31000.1 L	1,290,000	1,290,000	

## Tanks

Revision	01	Page 34 of 42	Date: 28	November 2014
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	<b>RWANDA STANDARDS BOARD</b>  <b>Products and Services Charges</b>	<b>RSB/FIN/02</b>
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	< 35000 L			
	> 35000.1 L < 50000 L	1,610,000	1,610,000	
	> 50000.1 L < 60000 L	1,930,000	1,930,000	
	> 60000.1 L < 70000 L	2,145,000	2,145,000	
	> 70000.1 L < 80000 L	2,360,000	2,360,000	
	> 80000.1 L < 90000 L	2,680,000	2,680,000	
	> 90000.1 L < 100000 L	3,000,000	3,000,000	
	> 100000.1 L < 120000 L	3,218,000	3,218,000	
<b>Water meter</b>	up to 1 inch	10,000	800	
	> 1 up to 2 inches	14,000	1,120	
	> 2 up to 3 inches	21,000	1,680	
	> 3 up to 4 inches	49,000	3,920	
	> 4 up to 5 inches	56,000	4,480	
	> 5 up to 6 inches	63,000	5,040	
	> 6 up to 8 inches	84,000	6,720	
<b>Flow/volumetric meters</b>	Small meters( =< 100LMP or 6m3/hr)	70,000	5,600	
	Bulk meters(> 100LMP or 6m3/hr)	100,000	8,000	
<b>Verification of fuel dispensing pumps Per Nozzle</b>		10,000	10000	

Revision	01	Page 35 of 42	Date: 28	November 2014
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## RWANDA STANDARDS BOARD

RSB/FIN/02

## Products and Services Charges

		single channel	15,000	1,200		
		Multi-channel	20,000	1,600		
	<b>Glassware pipettes</b>	Ö5 ml	12,000	960		
		> 5 ml	8,500	680		
	<b>Laboratory graduated Cylinders</b>	(all types)	7,000	560		
	<b>Laboratory volumetric Flasks</b>	(all types)	7,000	560		
	<b>Burettes</b>	(all types)	7,000	560		
	<b>Laboratory Dispensers</b>	(all types)	7,000	560		
	<b>Pycnometer</b>	(all types)	7,000	560		
	<b>Dilutors</b>	(all types)	7,000	560		
7	<b>Force Measurements</b>	<b>Dynamometer</b>	0-100 KN	20,000	20,000	
			101-1000 KN	30,000	30,000	
			1001-2000 KN	40,000	40,000	
			2001-3000 KN	60,000	60,000	
		<b>Universal Testing Machine</b>	0-100 KN	125,000	125,000	
			100.1-500KN	145,000	145,000	
			>500KN	170,000	170,000	
		<b>Compression Bearing Rings</b>	0-100 KN	35,000	35,000	
		<b>Proving Rings (Both compression and Tension)</b>	0-100 KN	30,000	30,000	
			100.1-1000 KN	50,000	50,000	
			1000.1-2000 KN	80,000	80,000	
			2000.1-3000	120,000	120,000	

Revision

01

Page 36 of 42

Date: 28

November 2014

	<b>RWANDA STANDARDS BOARD</b>  <b>Products and Services Charges</b>	<b>RSB/FIN/02</b>
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		KN			
	<b>Compression Machine</b>	0-100KN	65,000	65,000	
		100.1-500 KN	85,000	85,000	
		>500KN	125,000	125,000	
	<b>Torque Meter</b>	0-20 Nm	27,500	27,500	
		20.1-2000 Nm	37,500	37,500	
	<b>Rockwell Hardness Blocks, All Scales</b>		18,500	18,500	
	<b>Vickers Hardness Blocks</b>	Single Range	27,500	27,500	
	<b>Load Cell</b>	0-100 KN	30,000	30,000	
		100.1-1000 KN	65,000	65,000	
		1000.1-2000 KN	82,000	82,000	
2000.1-3000 KN		105,000	105,000		
<b>8</b>	<b>pre-package control service</b>	<b>Lot size</b>	up to 500 items		12,000
			501-3200 Items		20,000
			More than 3200 Items		25,000
<b>9</b>	<b>Metrology Service License</b>		Repair and Maintenance		100,000
			Calibration		
			Verification		
			Import/manufacturing		
			Type approval		

Revision	01	Page 37 of 42	Date: 28	November 2014
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