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Herbal soaps — Specification



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In order to match with technological development and to keep continuous progress in industries, Standards are subject to periodic review. Users shall ascertain that they are in possession of the latest edition

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Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Requirements	2
4.1 General requirements	2
4.2 Specific requirements	2
4.2.1 Herbal toilet soaps	2
4.2.2 Herbal laundry soap	2
4.2.3 Herbal liquid soap	2
5 Packaging and labelling	3
5.1 Packaging	3
5.2 Labelling	3
6 Sampling	4
7 Test methods	4
Annex A (normative) Determination of pH	5

Foreword

Rwanda Standards are prepared by Technical Committees and approved by Rwanda Standards Board (RSB) Board of Directors in accordance with the procedures of RSB, in compliance with Annex 3 of the WTO/TBT agreement on the preparation, adoption and application of standards.

The main task of technical committees is to prepare national standards. Final Draft Rwanda Standards adopted by Technical committees are ratified by members of RSB Board of Directors for publication and gazettment as Rwanda Standards.

PD xxx was prepared by Technical Committee RSB/TC 11, Cosmetics, Toiletries and Surface Active Agents.

In the preparation of this standard, reference was made to the following standards:

- 1) TZS 1009, *Herbal Soap - Specification*
- 2) KS 1795, *Neem herbal soap — Specification*
- 3) TZS 883, *Neem Herbal Soap — Specification*
- 4) TZS 894, *Jatropha herbal soap— Specification*
- 5) IS 15735, *Herbal Cosmetics — General guidelines*

The assistance derived from the above source is hereby acknowledged with thanks.

Committee membership

The following organizations were represented on the Technical Committee on Cosmetics, toiletries and Surface Active Agents (RSB/TC 011) in the preparation of this standard.

ALYVO Rwanda Ltd

Better Home Ltd

EDEN BUSINESS CENTER Ltd

Health Care Pharmacy

Kacyiru Hospital (KH)

Ministry of Health (MoH)

National Industrial Research and Development Agency (NIRDA)

Pharmacie Conseil

Pharmacie Nova

Private Sector Federation/Beauty Makers Association (PSF)

Rwanda Biomedical Center (RBC)

Rwanda Dermatology Society (RDS)

Rwanda National Police (RNP)

SULFO Rwanda Industries Ltd

The Ihangane Project (TIP)

University of Rwanda — College of Science and Technology (UR — CST)

ZIRUMUZE Cooperative

Rwanda Standards Board (RSB) — Secretariat

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Herbal Soaps — Specification

1 Scope

This Draft Rwanda Standard prescribes requirements and test methods for herbal soaps.

Considering that herbal product properties vary in accordance with the intended application, the standard covers different types as follows:

- a) herbal toilet soap;
- b) herbal laundry soap; and
- c) herbal liquid soap.

This document does not apply to products intended to be used for medicinal purpose.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

DFRS 333, *Herbal cosmetic products – General requirements*

RS EAS 377, *Cosmetics and cosmetic products (all parts)*

RS EAS 346, *Labelling of cosmetics — General requirements*

RS 278, *Cosmetics – Methods of sampling*

RS ISO 457, *Analysis of soap — Determination of Chloride content — Titrimetric method*

RS ISO 456, *Surface active agents — Analysis of soaps — Determination of free caustic alkali*

RS ISO 684, *Analysis of soap — Determination of Total free alkali*

RS ISO 685, *Analysis of soap — Determination of alkali content and total fatty matter content*

RS ISO 673, *Analysis of soap — Determination of ethanol insoluble matter*

RS ISO 862, *Surface active agents — Vocabulary*

RS ISO 1067, *Analysis of soap — Determination of unsaponifiable, unsaponified and unsaponified saponifiable matter*

3 Terms and definitions

For the purposes of this standard, the following terms and definitions apply

3.1

herbal soaps

any laundry, toilet or liquid soap, which contains herbal oil and/or herbal extracts

NOTE Terms and definitions quoted in DRS 333 should be applied on this document.

4 Requirements

4.1 General requirements

4.1.1 To ensure the quality of the product and the well being of the consumer, herbal soaps shall conform to requirements prescribed in DRS 333.

4.1.2 All the ingredients used shall conform to the requirements in RS EAS 377 (all parts).

4.2 Specific requirements

4.2.1 Herbal toilet soaps

4.2.1.1 Herbal toilet soap shall be high graded, thoroughly saponified milled soaps or homogenized soap or both, white or coloured and compressed in the form of firm cakes and shall possess good cleaning and lathering properties.

4.2.1.2 In addition to perfumes and moisture, herbal toilet soap may contain only colouring matter, preservatives, and superfatting agents and such additional substances shall be declared on the label. All the foreign materials shall be non-injurious in use with soap.

4.2.2 Herbal laundry soap

The soap shall be of firm texture, shall be free from objectionable odour and shall possess good lathering.

4.2.3 Herbal liquid soap

4.2.3.1 The herbal liquid soap shall be in a form of a liquid or emulsion. It shall be opaque or transparent, coloured or colourless and perfumed or unperfumed. It shall be of uniform consistency, free from sediments and suspended particles. It shall be easily spreadable. It shall have good lathering and rinsing properties. It shall be non-toxic and non-irritant.

4.2.3.2 It may contain up to 2% appropriate synthetic detergents.

All types of herbal soaps shall comply with requirements specified in table 1.

Table 1 — Requirements for herbal soap

S/No	Characteristic	Requirements			Test methods
		Herbal toilet soap	Herbal laundry soap	Herbal liquid soap	
1	Herbal content , % by mass, min	2	1.5	2	-
2	Total fatty matter % by mass, min	70	45	15	ISO 685
3	Matter insoluble in alcohol % by mass, max	2	20	0.5	ISO 673
4	Matter insoluble in water % by mass, max	-	5	-	ISO 6839
5	Total free fat (unsaponified and unsaponifiable fatty matter), % by mass, max	0.5	2	-	ISO 1067
6	Free caustic alkali as (NaOH), % by mass, max	0.1	0.4	0.03	ISO 684
7	Total free alkali as Na ₂ O/ K ₂ O, % by mass, max	-	0.25	0.03	ISO 29456
8	Chlorides, % by mass, max	0.8	1.5	-	ISO 457
9	pH at 27°C	-	-	7.5 – 9.5	Annex A

Note 1 In the case of super fatted soaps, this limit shall not exceed 1.5% by mass and should be declared by manufacturer.
Note 2 Coloured items are proposed for discussion if we should include

5 Packaging and labelling

5.1 Packaging

All herbal soaps shall be packed in suitable materials that do not allow any damage of the product or its contamination. The containers shall be securely closed.

5.2 Labelling

In addition to the labelling requirements of RS EAS 346, the following information shall be indelibly and legibly marked on the container:

- a) product name that is “Herbal soap”;
- b) percentage of herbal preparations used;

NOTE 1 In case of antibacterial soaps, the antibacterial agent used and its concentration in the product shall be declared on the label.

6 Sampling

For the purpose of this Rwanda Standard, general precaution, scale of sampling and preparation of test samples shall be done as prescribed in RS 278.

7 Test methods

The requirements enumerated in this specification shall be determined in accordance with the ISO methods indicated in table 1.

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Annex A
(normative)

Determination of pH

Use the pH meter equipped with glass electrode. Determine the pH directly.

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