



DRAFT TANZANIA STANDARD

Herbal face mask — Specification

TANZANIA BUREAU OF STANDARDS

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Foreword

This Draft Tanzania Standard was published under the authority of the Board of Directors of Tanzania Bureau of Standards.

Tanzania Bureau of Standards (TBS) is the statutory national standards body for Tanzania established by the Standards Act Cap. 130.

Tanzania Standards are developed through Technical Committees that are representative of key stakeholders including government, academia, consumer groups, private sector and other interested parties. The Technical Committees work under the supervision of Divisional (sectoral) Committees. The Standards are developed in accordance with the Guide and Procedure for Development of Tanzania Standards and TZS 0, Guide for presentation of Tanzania Standards.

Tanzania Standards are subject to review, to keep pace with science and technological advances. Users of the Tanzania Standards are therefore expected to ensure that they always have the latest versions of the standards they are implementing.

This Tanzania Standard was developed under the supervision of the Chemicals Divisional Standards Committee (CDC). The Technical Committee responsible for the standard is CDC 3 Cosmetics and creameries.

The reporting of the results of a test or analysis made in accordance with this Tanzania Standard, if the final value observed or calculated is to be rounded off, shall be done in accordance with TZS 4.

Herbal face mask — Specification

1 Scope

This Draft Tanzania Standard specifies requirements, sampling and test methods for herbal face mask.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

ISO 21392, *Cosmetics — Analytical methods — Measurement of traces of heavy metals in cosmetic finished products using ICP/MS technique*

TZS 314, *Cosmetics and toilet products – Methods of sampling*

TZS 638/EAS 377 (All parts), *Cosmetics and cosmetic products*

TZS 774/EAS 346, *Labelling of cosmetic products – General requirements*

TZS 1824/ISO 21149, *Cosmetics — Microbiology — Enumeration and detection of aerobic mesophilic bacteria*

TZS 1825/ISO 21150, *Cosmetics — Microbiology — Detection of Escherichia coli*

TZS 1826/ISO 22717, *Cosmetics — Microbiology — Detection of pseudomonas aeruginosa*

TZS 1827/ISO 22718, *Cosmetics — Microbiology — Detection of Staphylococcus aureus*

TZS 1830/ISO 18416, *Cosmetics — Microbiology — Detection of candida albicans*

TZS 2126/EAS 846 *Glossary of terms relating to the cosmetic industry*

TZS 2127-2/EAS 847-2, *Cosmetics — Analytical methods — Part 2: Determination of moisture content and volatile matter content*

TZS 2127-13/EAS 847-13, *Cosmetics — Analytical methods — Part 13: Determination of rancidity*

TZS 2127-16/EAS 847-16 *Cosmetics — Analytical methods — Part 16: Determination of lead, mercury and arsenic content*

TZS 2127-17/EAS 847-17 *Cosmetics — Analytical methods — Part 17: Determination of pH*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in TZS 2126/EAS 846 and the following shall apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses: — ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1

herbal

natural plant extracts, herbs, or botanical ingredients

3.2

herbal face mask

cosmetic formulation made from herbal that is applied to the face to cleanse, nourish, rejuvenate and perform other related functions on the skin

4 Requirement

4.1 General requirements

4.1 General requirements

4.1.1 The herbal face mask may be categorized into the following types:

- a) Powders - Dried blends of ground herbs, roots, and clays.
- b) Pastes - Blends of ground herbs, roots, and clays mixed with liquids.
- c) Sheet masks - Fibre sheets infused with herbal extracts or botanical ingredients.
- d) Clay and mud masks - Mineral-rich earths combined with purified herbs.
- e) Cream and gel masks - Emulsified botanical gels or plant-based creams blended with floral extracts.
- f) Peel-off masks - Sticky or dried herbal formulations set on the skin before being gently peeled or rinsed away to exfoliate dead cells.

4.1.2 All ingredients used, including dyes, pigments and colours, shall comply with all the parts of TZS 638/EAS 377.

4.2 Specific requirements

Herbal face mask shall comply with the specific requirements given in Table 1 when tested in accordance with the test methods specified therein.

Table 1 — Specific requirements for herbal face mask

S/N	Characteristics	Requirements	Test method
i.	pH	4.5 – 7.0	TZS 2127-17/EAS 847-17
ii.	Rancidity ^a	To pass the test	TZS 2127-13/EAS 847-13
iii.	Moisture and volatile matter contents ^b , % w/w, max.	2.0	TZS 2127-2/EAS 847-2
^a for wet formulations			
^b for dry formulations			

4.3 Microbiological limits

Herbal face mask shall comply with the microbiological limits given in Table 2 when tested in accordance with the test methods specified therein.

Table 2 — Microbiological limits for herbal face mask

S.No.	Micro-organisms	Limits	Test methods
i)	Total viable count for aerobic mesophyllic microorganisms CFU/g or CFU/ml, max.	200	TZS 1824/ISO 21149
ii)	<i>Pseudomonas aeruginosa</i> <i>Staphylococcus aureus</i> <i>Candida albicans</i> <i>Escherichia Coli</i>	Not detectable in 1 ml or 1g of cosmetic product	TZS 1826/ISO 22717 TZS 1827/ISO 22718 TZS 1830/ISO 18416 TZS 1825/ISO 21150

4.4 Heavy metal contaminants

Herbal face mask shall comply with the heavy metal limits given in Table 3 when tested in accordance with the test methods specified therein.

Table 3 — Heavy metal limits for herbal face mask

S/No.	Heavy metal	Limit ^a , mg/kg, max	Test method
i)	Lead	10	TZS 2127-16/EAS 847-16
ii)	Arsenic	2	
iii)	Mercury	2	
iv)	Cadmium	1	ISO 21392
^a The total amount of heavy metals as lead, mercury and arsenic, in combination in the finished product shall not exceed 10 mg/kg.			

5. Packaging

Herbal face mask shall be packaged in suitable well-sealed containers that shall protect the contents and shall not cause any contamination or react with the product.

6. Labelling

In addition to the labelling requirements given in TZS 774/EAS 346, each package of herbal face mask shall be legibly and indelibly marked with the following information:

- a) Name of product (such as herbal face mask/beauty mask)
- b) Type of product
- c) Herbal ingredients used
- d) Instructions for use.
- e) Instructions for storage and disposal.
- f) Precautions (if any)

7. Sampling

Sampling shall be carried out in accordance with TZS 314.

Bibliography

[1] TZS 3398:2024, *Face pack — Specification*

[2] ISO 17516:2014, *Cosmetics — Microbiology — Microbiological limits*

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