

DRAFT ZANZIBAR NATIONAL STANDARD

Bath preparations — Specification — Part 1: Synthetic detergent-based foam baths and shower gels

DRAFT FOR STAKEHOLDERS COMMENT

ZANZIBAR BUREAU OF STANDARDS

Foreword

This draft Zanzibar standard has been developed by Chemical Products Standards Technical Committee. In accordance with ZBS general procedures, this draft standard is presented to the public in order to receive any technical and editorial comment concerns.

In the preparation of this draft standard, the reference was made from the following;

EAS 835-1: 2017, *Bath preparations — Part 1: Synthetic detergent-based foam baths and shower gels — Specification*

Technical Committee Representatives

This draft Zanzibar National Standard was prepared by Chemical Products Standards Technical Committee which consists of representatives from the following organizations:

Chief Government Chemist Laboratory Agency (CGCLA)
Zanzibar Food and Drugs Agency (ZFDA)
Zanzibar Environment Management Authority (ZEMA)
Ministry of Health (MOH)
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Bath preparations — Specification — Part 1: Synthetic detergent-based foam baths and shower gels

1 Scope

1.1 This draft Zanzibar National Standard specifies the requirements, sampling and test methods for synthetic foam baths and shower gels.

1.2 This draft standard covers synthetic detergent-based foam baths (also referred to as cream baths), shower gels (also referred to as body wash, cream wash, cream shower, bath shower, and shower shampoo), and other such related products.

1.3 This draft standard does not apply to bath salts, bath oils, bath powders, and soap-based bath and shower products.

1.4 This draft standard does not apply to medicinal products for which therapeutic claims are made.

2 Normative references

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

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

EAS 846, *Glossary of terms relating to the cosmetic industry*

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

EAS 847-17, *Cosmetics — Analytical methods — Part 17: Determination of pH*

EAS 847-20, *Cosmetics — Analytical methods — Part 20: Determination of lather volume (foaming power)*

ISO 2870, *Surface active agents — Detergents — Determination of anionic-active matter, hydrolysable and non-hydrolysable under acid conditions*

ISO 2871-1, *Surface active agents — Detergents — Determination of cationic-active matter content — Part 1: High-molecular- mass cationic-active matter*

ISO 2871-2, *Surface active agents — Detergents — Determination of cationic-active matter content — Part 2: Cationic-active matter of low molecular mass (between 200 and 500)*

ISO 6887-1, *Microbiology of food and animal feeding stuffs — Preparation of test samples, initial suspension and decimal dilutions for microbiological examination — Part 1: General rules for the preparation of the initial suspension and decimal dilutions*

ISO 18416, *Cosmetics — Microbiology — Detection of *Candida albicans**

ISO 21150, *Cosmetics — Microbiology — Detection of *Escherichia coli**

ISO 22717 *Cosmetics — Microbiology — Detection of *Pseudomonas aeruginosa**

ISO 22718, *Cosmetics — Microbiology — Detection of Staphylococcus aureus*

ISO 24153, *Random sampling and randomisation procedures*

ZNS 141, *Labelling of cosmetics — General requirements*

3 Terms and definitions

For the purposes of this draft standard, the (terms and) definitions given in EAS 846 shall apply.

4 Requirements

4.1 General requirements

4.1.1 All ingredients used including dyes, pigments and colours shall conform to EAS 377.

4.1.2 The product shall be in the form of a liquid or gel.

4.1.3 When examined visually the product shall be:

- a) clear or of uniform colour. However, it may be pearled or have other aesthetic modifications which shall be part of the formulation;
- b) homogenous unless a multiphase product is intended, and this should be clearly stated on the label; and
- c) free from visible impurities, unless solid particles are added as part of the formulation with a specific functionality, which shall be clearly stated on the label.

4.1.4 The foam shall be copious, and shall be stable in the presence of soap and oil, and within a wide temperature range.

4.1.5 The product shall be non-irritant to the skin and mucous membranes when used as recommended by the manufacturer.

4.1.6 The product shall not be harmful to the user when used as recommended by the manufacturer.

4.1.7 Any product containing ingredients for which medicinal claims are made shall be registered with the relevant authority.

4.2 Specific requirements

4.2.1 The product shall comply with the requirements specified in Table 1 when tested in accordance with the methods prescribed therein.

Table 1: Requirements for synthetic detergent-based foam baths and shower gels

S/No	Characteristic	Requirement	Test method
1	Total active detergent matter content, % m/m, min.	10	ISO 2870 ISO 2871-1 ISO 2871-2
2	Lather volume for one % solution, mL, min.: • after 5 min • after 30 min (foam baths only)	110 100	EAS 847-20
3	pH at 25 °C (neat), range	4.0 - 9.0	EAS 847-17

4.2.2 The products shall comply with the limits for heavy metal contaminants in accordance with Table 2 when tested in accordance with the methods prescribed therein.

Table 2: Limits for heavy metal contaminants for synthetic detergent-based foam baths and shower gels

S/No	Characteristic	Limit	Test method
1	Lead, mg/kg, max	10	EAS 847- 16
2	Arsenic, mg/kg, max	2	
3	Mercury, mg/kg, max	2	
NOTE 1: The total amount of heavy metals as lead, mercury and arsenic, in combination, in the finished product should not exceed 10 mg/kg.			
NOTE 2: The heavy metals including lead, mercury and arsenic may be as a result of contamination during processing and should not be deliberately added as ingredients.			

4.2.3 Microbiological limits shall comply with the limits specified in Table 3 when tested in accordance with the methods prescribed therein.

Table 3: Microbiological limits for synthetic detergent-based foam baths and shower gels

S/No	Characteristic	Requirement	Test method
1	Total viable count for aerobic mesophyllic micro-organisms per g, max.	100	ISO 6887-1
2	<i>Pseudomonas aeruginosa</i> , cfu/g	Not detectable in 0.5 g of cosmetic product	ISO 22717
3	<i>Staphylococcus aureus</i> , cfu/g		ISO 22718
4	<i>Candida albicans</i> , cfu/g		ISO 18416
5	<i>Escherichia coli</i> , cfu/g		ISO 21150

5 Packaging and labelling

5.1 Packaging

The product shall be packaged in suitable, well-sealed containers that shall protect the product and shall not cause any contamination or react with the product.

5.2 Labelling

5.2.1 The labelling shall be in Kiswahili and English, and any other language as agreed between the manufacturer and supplier.

5.2.2 The labelling shall comply with the requirements of ZNS 141.

6 Sampling

Random samples of the product shall be drawn for test in accordance with ISO 24153 from the market, factory or elsewhere.