

## DRAFT ZANZIBAR NATIONAL STANDARD

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### Skin powders — Specification — Part 2: Baby powder

DRAFT FOR STAKEHOLDERS COMMENT

ZANZIBAR BUREAU OF STANDARDS

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## 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 425-2:2017, *Skin powders — Specification — Part 2: Baby powder*

### 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)  
Abdulrahman Al- Sumait University (SUMAIT)  
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## Skin powders — Specification — Part 2: Baby powder

### 1 Scope

This draft Zanzibar National Standard specifies the requirements, sampling and test methods for baby powders.

This standard does not apply to medicated powders for which medicinal 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 847-2, *Cosmetics — Analytical methods — Part 2: Determination of moisture content and volatile matter content*

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 847-23, *Cosmetics — Analytical methods — Part 23: Test for absence of grit in powders*

EAS 847-24, *Cosmetics — Analytical methods — Part 24: Determination of matter insoluble in boiling water*

EAS 847-25, *Cosmetics — Analytical methods — Part 25: Determination of fineness*

EAS 847-26, *Cosmetics — Analytical methods — Part 26: Determination of boric acid*

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 16212, *Cosmetics — Microbiology — Enumeration of yeast and mould*

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 standard, the terms and definitions given in EAS 846 and the following apply.

#### **baby powder**

finely powdered, free-flowing absorbent innocuous material such as talc, and may contain a mild perfume and other ingredients consistent with accepted practice in the cosmetic industry

### 4 Requirements

#### 4.1 General requirements

4.1.1 All ingredients shall comply with EAS 377.

4.1.2 The product shall have no undesirable or harmful effect on the skin when used as intended by the manufacturer.

4.1.3 The product shall be free from colouring matter.

4.1.4 The product may be buffered to control pH.

4.1.5 The cosmetic grade powder to be used.

#### 4.2 Specific requirements

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

**Table 1: Requirements for baby powders**

S/No.	Characteristic	Requirement	Test method
1	Matter insoluble in boiling water, % m/m, min.	90.0	EAS 847-24
2	Fineness: <ul style="list-style-type: none"> <li>• Residue on 75-<math>\mu</math> sieve, % m/m, max.</li> <li>• Residue on 150-<math>\mu</math> sieve, % m/m, max.</li> </ul>	5 0.5	EAS 847-25
3	Boric acid	Absent	EAS 847-26
4	pH (10 % solution), range	5.5 - 9.0	EAS 847-17
5	Freedom from grit	To pass test	EAS 847-23
6	Moisture content and volatile matter, % m/m, max.	2.0	EAS 847-2

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 baby powders**

S/No	Characteristic	Requirement	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** The product shall comply with the microbiological limits given in Table 3 when tested in accordance with the methods prescribed therein.

**Table 3: Microbiological limits for baby powders**

S/No.	Characteristic	Limits	Test method
1	Total viable count for aerobic mesophyllic micro-organisms <sup>1</sup> , per gram, max.	100	ISO 6887-1
2	<i>Pseudomonas aeruginosa</i>	Not detectable in 0.5 g of cosmetic product	ISO 22717
3	<i>Staphylococcus aureus</i>		ISO 22718
4	<i>Candida albicans</i>		ISO 18416
5	<i>Escherichia coli</i>		ISO 21150
6	Total yeast and mould, cfu per gram, max.	100	ISO 16212

## 5 Packaging and labelling

### 5.1 Packaging

The product shall be packaged in suitable well-sealed containers that shall protect the contents 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.

**5.2.3** The words, "Keep powder away from children's nose and mouth" shall be printed as a warning on the label.

<sup>1</sup> Micro-organisms shall include both pathogenic and non-pathogenic.

## 6 Sampling

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

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