



DEAS 841: 2015

ICS 71.100.70

DRAFT EAST AFRICAN STANDARD

Hair oils - Specification

EAST AFRICAN COMMUNITY

Copyright notice

This EAC document is copyright-protected by EAC. While the reproduction of this document by participants in the EAC standards development process is permitted without prior permission from EAC, neither this document nor any extract from it may be reproduced, stored or transmitted in any form for any other purpose without prior written permission from EAC.

Requests for permission to reproduce this document for the purpose of selling it should be addressed as shown below or to EAC's member body in the country of the requester:

© East African Community 2015 — All rights reserved
East African Community
P.O.Box 1096
Arusha
Tanzania
Tel: 255 27 2504253/8
Fax: 255 27 2504481/2504255
E-mail: eac@eachq.org
Web: www.eac-quality.net

Reproduction for sales purposes may be subject to royalty payments or a licensing agreement. Violators may be persecuted

Contents

Page

Foreword	iv
1 Scope	1
2. Normative references	1
4 REQUIREMENTS	2
5 ADDITIONAL REQUIREMENTS FOR HAIR OILS	3
6. PACKAGING AND LABELLING	3
6.2 labelling	3
7 SAMPLING	4

Foreword

Development of the East African Standards has been necessitated by the need for harmonizing requirements governing quality of products and services in the East African Community. It is envisaged that through harmonized standardization, trade barriers that are encountered when goods and services are exchanged within the Community will be removed.

In order to achieve this objective, the Community established an East African Standards Committee mandated to develop and issue East African Standards.

The Committee is composed of representatives of the National Standards Bodies in Partner States, together with the representatives from the private sectors and consumer organizations. Draft East African Standards are circulated to stakeholders through the National Standards Bodies in the Partner States. The comments received are discussed and incorporated before finalization of standards, in accordance with the procedures of the Community.

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

Hair oils- Specification

1 Scope

This Draft East Africa Standard specifies the requirements and methods of sampling and test for hair oils. The standard covers three types of hair oils as follows:

Type 1 —Based on refined vegetable oil.

Type 2—Based on mineral oil.

Type 3—Based on a mixture of mineral oils and refined vegetable oils.

This Standard applies to all liquid oil-based cosmetic preparations for hair application. Hair oils for which therapeutic claims are made are not covered by this standard.

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

EAS 346, *Labelling of cosmetics — General requirements*

EAS 377-1, *Cosmetics and cosmetic products — Part 1: List of substances prohibited in cosmetic products*

EAS 377-2, *Cosmetics and cosmetic products — Part 2: List of substances which cosmetic products must not contain except subject to the restrictions laid down*

EAS 377-3, *Cosmetics and cosmetic products — Part 3: List of colorants allowed in cosmetic products*

EAS 377-4, *Cosmetics and cosmetic products — Part 4: List of preservatives allowed in cosmetic products*

EAS 377-5, *Cosmetics and cosmetic products — Part 5: Use of UV filters in cosmetic products*

ISO 24153, *Random sampling and randomisation procedures*

ISO 18416- *Detection of candida albicans*

ISO 22717- *Detection of Pseudomonas aeruginosa*

ISO 22718- *Detection of Staphylococcus aureus*

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 preparation of the initial suspensions and decimal dilutions*

4 REQUIREMENTS

4.1

All the oils used, shall conform to the respective raw material standards.

4.2 Specific requirements

4.2.1 The hair oils shall, in addition, comply with the requirements given in Table 1 when tested in accordance with the methods indicated therein.

Table 1 — Chemical requirements for hair oils

SL No	CHARACTERISTIC	REQUIREMENT	METHOD OF TEST
(i)	Acid value, max mg/k	1.0	DEAS 847-4
(ii)	Thermal stability	To pass test	DEAS 847-17
(iii)	Rancidity	To pass the test	DEAS 847-13

4.2.2 The hair oils shall also comply with the microbiological limits given in Table 1 when tested in accordance with the methods indicated therein.

Table 2 — Microbiological limits

SL No.	Characteristic	Limits	Test method
i)	<i>Microbiological examination</i> Total viable count for aerobic mesophyllic micro-organisms per g, max.	100	-
ii)	<i>Pseudomonas aeruginosa</i>) <i>Staphylococcus aureus</i>) <i>Candida albicans</i>) <i>E coli</i>)	Not detectable in 0.5 g of cosmetic product	ISO 22717 ISO 22718 ISO 18416

4.2.3 The products shall comply with the limits for heavy metal contaminants in accordance with Table 4.

Table 3 Limits for heavy metal contaminants

SL No	CHARACTERISTIC	REQUIREMENT	METHOD OF TEST REF. TO ANNEX
(i)	Lead, ppm, max.	20	DEAS 847-16
(ii)	Arsenic, ppm, max	2	DEAS 847-16
(iii)	Mercury, ppm, max.	2	DEAS 847-16
NOTE The total amount of heavy metals as lead, mercury and arsenic, in combination, in the finished product should not exceed 20 ppm.			

5 ADDITIONAL REQUIREMENTS FOR HAIR OILS

All marketed hair oils shall conform to the following requirements:

5.1 Visual Appearance The hair oil, as seen visually, shall be in clear liquid form, free from sediment and suspended matter. It may be coloured or colourless,

NOTE: For coconut oil, first melt the sample before checking for clarity, sediments and suspended matter.

5.2 Dermatological Safety: The hair oil shall be dermatologically safe. The oil shall not be irritating or harmful to the scalp, when used as intended by the manufacturer.

5.3 Dyes, Colours and Perfumes: Any dyes, colour pigments or perfumes, if added, shall be of refined grade.

All ingredients used shall conform to all Parts of EAS 377

6. PACKAGING AND LABELLING

6.1 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.

6.2 labelling

6.2.1 The labelling shall be in English, Kiswahili or French or in combination as agreed between the manufacturer and supplier.

6.2.2

The labelling shall comply with the requirements of DEAS 346

7 SAMPLING

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

PUBLIC REVIEW DRAFT FOR COMMENTS