

This is a preview of "ISO 16128-2:2017". [Click here to purchase the full version from the ANSI store.](#)

First edition
2017-09

Cosmetics — Guidelines on technical definitions and criteria for natural and organic cosmetic ingredients —

Part 2: Criteria for ingredients and products

Cosmétiques — Lignes directrices relatives aux définitions techniques et aux critères applicables aux ingrédients et produits cosmétiques naturels et biologiques —

Partie 2: Critères relatifs aux ingrédients et aux produits



Reference number
ISO 16128-2:2017(E)

© ISO 2017

This is a preview of "ISO 16128-2:2017". Click [here](#) to purchase the full version from the ANSI store.



COPYRIGHT PROTECTED DOCUMENT

© ISO 2017, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

This is a preview of "ISO 16128-2:2017". Click here to purchase the full version from the ANSI store.

Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Approach to determine natural, natural origin, organic and organic origin indexes for cosmetic ingredients	1
4.1 General.....	1
4.2 Extracts.....	2
4.3 Determination of natural and natural origin indexes of ingredients.....	2
4.3.1 Natural index.....	2
4.3.2 Natural origin index.....	3
4.4 Determination of organic and organic origin indexes of ingredients.....	3
4.4.1 Organic index.....	3
4.4.2 Organic origin index.....	4
5 Approaches to determine natural and/or organic content of finished cosmetic products	6
5.1 Natural content.....	6
5.1.1 General.....	6
5.1.2 Calculation of natural content by including formulation water.....	6
5.1.3 Calculation of natural content by excluding formulation water.....	7
5.2 Natural origin content.....	7
5.2.1 General.....	7
5.2.2 Calculation of natural origin content by including formulation water.....	7
5.2.3 Calculation of natural origin content by excluding formulation water.....	7
5.3 Organic content.....	8
5.3.1 General.....	8
5.3.2 Calculation of organic content by including formulation water.....	8
5.3.3 Calculation of organic content by excluding formulation water.....	8
5.4 Organic origin content.....	9
5.4.1 General.....	9
5.4.2 Calculation of organic origin content by including formulation water.....	9
5.4.3 Calculation of organic origin content by excluding formulation water.....	9
Annex A (informative) Examples of calculations to determine indexes of ingredients containing a derived natural or organic component	10
Annex B (informative) Examples of organic index and organic origin index determination for extracts	11
Annex C (informative) Results of index determination and content calculation from Clauses 4 and 5	13

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 217, *Cosmetics*.

A list of all parts in the ISO 16128 series can be found on the ISO website.

This is a preview of "ISO 16128-2:2017". [Click here to purchase the full version from the ANSI store.](#)

Introduction

ISO 16128 provides guidelines on definitions and criteria for natural and organic cosmetic ingredients and products. These guidelines are specific to the cosmetics sector, taking into account that most existing approaches written for the agricultural and food sector are not directly transferrable to cosmetics. They apply scientific judgment and offer principles towards a consistent logical framework for natural and organic cosmetic ingredients and products incorporating common approaches employed in existing references. The purpose of these guidelines is to encourage a wider choice of natural and organic ingredients in the formulation of a diverse variety of cosmetic products to encourage innovation.