DIN EN 17156:2022-08 (E)

Cosmetics - Analytical methods - LC/UV method for the identification and quantitative determination in cosmetic products of the 22 organic UV filters in use in the EU

Contents

Page

European foreword 3

Introduction 4

1 Scope 6

2 Normative references 6

3 Terms and definitions 6

4 Principles 6

5 Reagents 6

6 Apparatus and equipment 8

7 Procedure 9
7.1 Sample preparation 9
7.2 LC-UV/Vis measurement conditions 9

8 Evaluation 13
8.1 Identification 13
8.2 Quantitative determination 13

9 Test report 14

Annex A (informative) Results of the intra-laboratory validation 15

A.1 General 15
A.2 Water-soluble UV filters 15
A.3 Fat-soluble UV filters 18
A.4 UV filter P15 23

Annex B (informative) Results of the inter-laboratory validation (Ring trial) 24

B.1 General 24
B.2 Water-soluble UV filters ring trial 25
B.3 Fat-soluble UV filters ring trial 26
B.4 UV filter P15 ring trial 28

Bibliography 29