ISO 12787:2011-12 (E)

Cosmetics - Analytical methods - Validation criteria for analytical results using chromatographic techniques

Contents

Page

Foreword iv

1 Scope 1

2 Terms and definitions 1
2.1 General 1
2.2 Terms relating to validation criteria for analytical results 2

3 Principle 3

4 General information 4
4.1 Matrix effect 4
4.2 Decision tree 5

5 First step -- Minimum validation criteria on standard solutions 6
5.1 General 6
5.2 Estimation of detection and quantification limit in solvent (optional) 6
5.3 Analytical conformity 7
5.4 Calibration: precision, linearity and accuracy 7

6 Second step -- Sample screening 8
6.1 General 8
6.2 Sample screening 8

7 Third step -- Assays 8
7.1 General 8
7.2 Analytes not detected or detected at concentrations less than the LoQ 9
7.3 Analytes detected at a concentration greater than the LoQ 9

8 Summary 11

Annex A (informative) Example of selection of a weighting factor 12

Annex B (normative) Assays with a target value (simplified approach) 13

Bibliography 14