

DIN EN ISO 18861:2022-02 (E)

Cosmetics - Sun protection test methods - Percentage of water resistance (ISO 18861:2020)

Contents		Page
European foreword		3
Foreword		4
Introduction		5
1 Scope		6
2 Normative references		6
3 Terms and definitions		6
4 Test method		7
4.1 Outline of the method		7
4.2 Test subject selection		7
4.3 Test area		7
4.4 Product application		7
4.5 Water immersion procedure		7
4.6 Reference water resistant sun product		8
4.7 Determination of the minimum erythematous dose (MED)		8
4.8 Number of test subjects		8
4.9 Test chronology		8
5 Calculations and data handling		8
5.1 General		8
5.2 SPF before immersion		8
5.3 SPF after immersion		9
5.4 Individual percentage of water resistance		9
5.5 Mean percentage of water resistance		9
5.6 Calculation of lower confidence limit on the mean percentage of water resistance		9
5.7 Acceptance criteria for reference product P2		10
6 Test report		10
Annex A (normative) Simulated swim test device design		11
Annex B (normative) Test procedure and chronology		12
Annex C (normative) Standard reference sunscreen		15
Bibliography		16