

In Vitro Determination of Sun Protection Factor
ISO 23675:2024
Summary / Results

Test Product:	MOLECULOGY Starter Sunscreen SPF50+
Batch:	25H006
Study Objective:	<i>In vitro</i> determination of sun protection factor (SPF), using two different types of PMMA-plates. The study is performed according to ISO 23675:2024.
Test Period:	08.05.2026
Instrumentations:	weneos SPREADMASTER Bentham Spectrometer SSUV300 Newport SOL-UV-6
Mean UV Irradiance:	14.2 MED
Coefficient of Calibration:	1.00 - Radiometer vs. Spectroradiometer
Substrates:	Moulded PMMA Plates (HD6), HelioScreen Cosmetic Science Batch: H00014 Receipt: 23.04.2026 Sandblasted PMMA Plates (SB6), HelioScreen Cosmetic Science Batch: 707 Receipt: 18.11.2025
Reference:	Glycerin coated plates
Number of Samples:	4 plate pairs (5 measurements per plate)
Applied Amount:	HD6: 1.3 mg/cm ² SB6: 1.2 mg/cm ²
Deviation from Protocol:	While the demands of the guideline are met for standard P5 and standard P8, results of standard P2 are reproducibly lower than the predefined limit.

Results documented in this report are based on the protocol attached in Annex 2.
Demands of the guideline are met for standard P8 and for standard P5.

Product	Final SPF	Standard Deviation	CI [%]	17 % Interval of mean
MOLECULOGY Starter Sunscreen SPF50+	63.6	2.2	5.6	52.8 - 74.4