



BUREAU
VERITAS

TEST REPORT

REPORT NO. : 66252860485-2
DATE : 22 Oct, 2025
PAGE : 1 OF 4

Customer Name: Mid Ocean Brands B.V.

Customer Address: Unit 711-716, 7/F., Tower A, 83 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong

Sample:	Vegan Lip Gloss	Manufacturer name:	Vendor code: 113285
Size:	MO2870	Expiration Date :	/
Quantity:	6	Manufacture Date:	/
Trademark:	/	Batch No.:	/

Above sample information was provided and confirmed by customers, BV is not responsible for its accuracy or completeness.

Sample Description: White Solid, intact packaging

Sample Reception Date: 2025-10-14

Testing Date: 2025-10-14~2025-10-17

Testing Type: Test only

Sample Source: Customer submits samples

Test Item: In vitro determination of the sun protection factor (PFA)

Reference: ISO 24443:2021 Cosmetics-Determination of sunscreen UVA photoprotection in vitro

Test Result*: According to the test result, the PFA value of sample is "10", "PA+++".

REMARK:

Any questions, pls contact the following person:

*: The results were completed in subcontracting laboratories.

Mr. Rex ZHANG

Technical Development Manager

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Prepared by:

Maggie Jin

Approved By :

Rex Zhang



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Test Item

In vitro determination of sunscreen UVA protection

Reference

ISO 24443:2021 Cosmetics-Determination of sunscreen UVA photoprotection in vitro

According to the requirements of *ISO 24443:2021 Cosmetics-Determination of sunscreen UVA photoprotection in vitro*, with the dosage of $1.3 \text{ mg/cm}^2 (\pm 1.6\%)$, using special syringe to suck up a certain volume of test sample or standard sunscreen, pointing uniformly on the surface of PMMA, applying product with naked finger so that it can be separated evenly on the surface of PMMA. The whole board is protected from light and dry for at least 30min and no more than 60 min. Then UV 2000S instrument is used to measure the transmittance of ultraviolet light, and each sample is repeated for 4 test plates, each plate is tested for 5 points, the SPF values, C values and irradiation dose of the standard sunscreen and the sample are recorded, respectively. After the test, putting the PMMA plate, which is applied with sample, to SOL-UV-6 solar simulator (keep samples within the range of $27(\pm 2)^\circ\text{C}$) to expose, and stop irradiation when the irradiation dose reaches the dose recorded above and recorded the irradiation time and the corresponding values of irradiance meter, and then using the UV 2000S instrument to measure the transmittance of ultraviolet light, each sample is repeated for 4 test plates, each plate is tested for 5 points, and the PFA values of the standard sunscreen and the sample are recorded, respectively.

Material

- 1、 Testing sample
- 2、 Standard reference: S2 Reference Sunscreen
- 3、 PMMA plate: HD6TM moulded PMMA plates (HelioScreen, Creil, France)
- 4、 Instrument: UV 2000S UV transmittance analyzer (Labsphere Co., Ltd.), SOL-UV-6 solar simulator (Newport) Note: SPF determine by ITS

Test Result(s)

The PFA values of S2 Reference Sunscreen and sample

No.	Sample	S2 Reference Sunscreen (PFA 12.7 ± 2.0)
1	9.7	11.3
2	10.5	12.8
3	10.3	11.8
4	9.5	12.0



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Average \pm SD	10.0 \pm 0.4	11.9 \pm 0.6
CI%	7.6%	8.3%

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CO., LTD SHANGHAI



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TEST REPORT

REPORT NO. : 66252860485-1
DATE : 22 Oct, 2025
PAGE : 1 OF 3

Customer Name: Mid Ocean Brands B.V.

Customer Address: Unit 711-716, 7/F., Tower A, 83 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong

Sample:	Vegan Lip Gloss	Manufacturer name:	Vendor code: 113285
Size:	MO2870	Expiration Date :	/
Quantity:	6	Manufacture Date:	/
Trademark:	/	Batch No.:	/

Above sample information was provided and confirmed by customers, BV is not responsible for its accuracy or completeness.

Sample Description: White Solid, intact packaging

Sample Reception Date: 2025-10-14

Testing Date: 2025-10-14~2025-10-17

Testing Type: Test only

Sample Source: Customer submits samples

Test Item: In vitro determination of the sun protection factor (SPF)

Reference: Cosmetics Europe - No 26 Use of Alternative Methods to ISO24444-2019: No_26_Double_Plate_Method_Proto

Test Result*: According to the test result, the SPF value of the sample is "35".

REMARK:

Any questions, pls contact the following person:

*: The results were completed in subcontracting laboratories.

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Technical Development Manager

rex.zhang@bureauveritas.com

Prepared by:

Maggie Jin

Approved By :

Rex Zhang



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Test Item

In vitro determination of the sun protection factor (SPF)

Test Procedure

1. Preparation of reagents and materials: Store the plates (opened or removed plastic bag) and product, in the dark, at 27(± 2) °C for at least twelve hours before the start of the test.
2. Apply the product with finger. 1.3mg/cm²($\pm 1.6\%$) of product is applied to each moulded plate and 1.2mg/cm²($\pm 1.5\%$) of product is applied to each sandblasted plate. (Reference: ISO 24444:2019)
3. Measurement of initial absorbance using two plate types (290 nm to 400 nm).
4. Calculation of initial in vitro SPF.
5. Calculation of irradiation dose (based on initial in vitro SPF).
6. Irradiation with calculated dose.
7. Measurement of final post-irradiation absorbance using two plate types (290 nm to 400 nm).
8. Calculation of final in vitro SPF.

Material

1. Testing sample
2. Standard reference: P8 Reference Sunscreen
3. PMMA plate: HD6TM moulded PMMA plates (HelioScreen, Creil, France), sand-blasted SB6TM PMMA plates (HelioScreen, Creil, France)
4. Instrument: UV 2000S UV transmittance analyzer (Labsphere Co., Ltd.), SOL-UV-6 solar simulator (Newport)

Test Result(s)

Final in vitro SPF value			
PMMA No.	M	S	M+S
1	32.0	32.9	35.0
2	32.2	34.6	36.5
3	31.8	32.8	35.0
MEAN	32.0	33.4	35.5
SD	0.2	1.0	0.9
CI	/	/	6.2%

Note: M refers to HD6TM moulded PMMA, S refers to sand-blasted SB6TM PMMA.

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