

## Test Report

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**Applicant:**

Name : Mid Ocean Brands B.V.  
Address : Unit 711-716, 7/F., Tower A, 83 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong  
Vendor code : 113285

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**Sample Description\*:**

Sample No. : SHCJ25005071-2  
Sample Name : Vegan Lip balm  
Color/Physical state : /  
Batch No./Production Date : /  
Specification : MO2525, MO6809, MO6943, MO2915, MO2905  
Shelf life/Expiration date : /  
Sample Quantity : 5  
Predictive PFA Value : /

\* Note: The above samples and information are provided and confirmed by the applicant. ITS is not responsible for verifying the accuracy, appropriateness and/or completeness of the above information.

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**Test Item:**

In vitro determination of the sun protection factor (PFA)

**Reference:**

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

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**Test Result:**

According to the test result, the PFA value of sample is "8", "PA+++".

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To be continued

**Authorized By:**

For Intertek Testing Services Ltd. Shanghai

*Carr Cai*  
Carr Cai  
Lab Manager



检验检测专用章

(7-1)

This report replaces SHCJ25005071-2 Report Date: Aug.18,2025

### 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 $12.7 \pm 2.0$ )
1	8.5	12.0
2	8.0	12.9
3	8.3	12.1
4	8.0	12.8
Average $\pm$ SD	$8.2 \pm 0.2$	$12.4 \pm 0.5$
CI%	4.8%	6.0%

Date Sample Received: Jul.25,2025

Testing Time: Jul.25,2025 To Aug.8,2025

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End of report

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*Remark: \*The testing data and result issued by this report are just for scientific research, teaching, internal quality control, product research and development etc. on reference only in the territory of the People's Republic of China.*

## Test Report

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**Applicant:**

Name : Mid Ocean Brands B.V.  
Address : Unit 711-716, 7/F., Tower A, 83 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong  
Vendor code : 113285

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**Sample Description\*:**

Sample No. : SHCJ25005071-1  
Sample Name : Vegan Lip balm  
Color/Physical state : /  
Batch No./Production Date : /  
Specification : MO2525, MO6809, MO6943, MO2915, MO2905  
Shelf life/Expiration date : /  
Sample Quantity : 5  
Predictive SPF Value : 15

\*Note: The above samples and information are provided and confirmed by the applicant. ITS is not responsible for verifying the accuracy, appropriateness and/or completeness of the above information.

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**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

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**Test Result:**

According to the test result, the SPF value of the sample is "24".

To be continued

**Authorized By:**

For Intertek Testing Services Ltd. Shanghai

*Carr Cai*

Carr Cai  
Lab Manager



This report replaces SHCJ25005071-1 Report Date: Aug.18,2025

### Test Item

In vitro determination of the sun protection factor (SPF)

### Test Procedure

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

### Material

- Testing sample
- Standard reference: P8 Reference Sunscreen
- PMMA plate: HD6TM moulded PMMA plates (HelioScreen, Creil, France),  
sand-blasted SB6TM PMMA plates (HelioScreen, Creil, France)
- 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	19.8	23.4	24.2
2	22.0	22.6	24.1
3	21.7	22.8	24.2
MEAN	21.2	22.9	24.2
SD	1.1	0.4	0.0
CI	/	/	0.5%

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

Sample Received: Jul.25,2025

Testing Time: Jul.25,2025 To Aug.7,2025



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End of report

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