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Korea Testing Certification institute

Test Report

Report No. : GT2022-10060

Company	:	Suprema ID Inc.
Representative	:	Bo-Geon Park
Address	:	1207, 37, Sagimakgol-ro 62beon-gil, Jungwon-gu, Seongnam-si, Gyeonggi-do, Republic of Korea

1. Product Name	:	BioMini Combo 2
- Type and Model	:	DC 5 V [Model : BMC-2]
2. Use of Report	:	For quality control
3. Date of Receipt	:	2022.03.03.
4. Date of test	:	2022.03.03. - 2022.03.21.
5. Location of test	:	☑ Permanent testing Lab ☐ On site testing
		(Address : 22, Heungan-daero 27beon-gil, Gunpo-si, Gyeonggi-do)
6. Testing Method	:	IEC 62471:2006
7. Test Results	:	Refer to the attachment

Test by : Kim Sung-Hyun 김성현 **Approved by :** Park Jong Kowon 박종권

1. This result of the above report are related to KS Q ISO/IEC 17025 and KOLAS recognition and the result of testing with samples and sample names suggested by the client does not guarantee the quality of entire products
2. This report should not be used for advertising, lawsuit, etc. without any official permission of KTC. It is only used for the purpose of the quality test.
3. The authenticity of the report is available on the website (www.ktc.re.kr).

2022.03.21.

Korea Testing Certification institute

Accredited by KOLAS, Republic of KOREA

www.ktc.re.kr 15809 22, Heungan-daero 27beon-gil, Gunpo-si, Gyeonggi-do

TEL : 1899-7654 , FAX : 031-455-7307

The above test report is the accredited test items by korea Laboratory Accreditation Scheme, which signed the ILAC-MRA

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Test Result

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Test item	Standard	Unit	Test result
Actinic UV	**Exempt** Limit value : E_S < **0.001** - Wavelength range : (200 ~ 400) nm	W/m^2	2.32×10^{-6}
Near UV	**Exempt** Limit value : E_{UVA} < **10** - Wavelength range : (315 ~ 400) nm	W/m^2	1.13×10^{-4}
Blue Light	**Exempt** Limit value : L_B < **100 (100 mrad)** - Wavelength range : (300 ~ 700) nm	$W/(sr \cdot m^2)$	6.41×10^{-3}
Retinal Thermal	**Exempt** Limit value : L_R < **466 666 (11 mrad)** - Wavelength range : (380 ~ 1 400) nm	$W/(sr \cdot m^2)$	101 22.8
Infrared	**Exempt** Limit value : E_{IR} < **100** - Wavelength range : (780 ~ 3 000) nm	W/m^2	1.25×10^{-3}
Thermal Skin	**Pass** Limit value : E_H < **3 560** - Wavelength range : (380 ~ 3 000) nm	W/m^2	2.63×10^{-2}

Remark : 1. Test environment : Ambient temperature : (25 ± 1) ℃
Relative humidity : (55 ± 10) % R.H.

2. Measurement distance : 200 mm (Non-GLS)

3. Test condition : After running the program for scanner, Click 'Init', set 'Timeout' to 0 in 'Scanner Parameters', click 'Start Capturing' in 'Use Scanner', and measure the radiation from red LEDs.
And radiance was measured for each of the two type of red LEDs.

4. Resulting IEC62471 classification

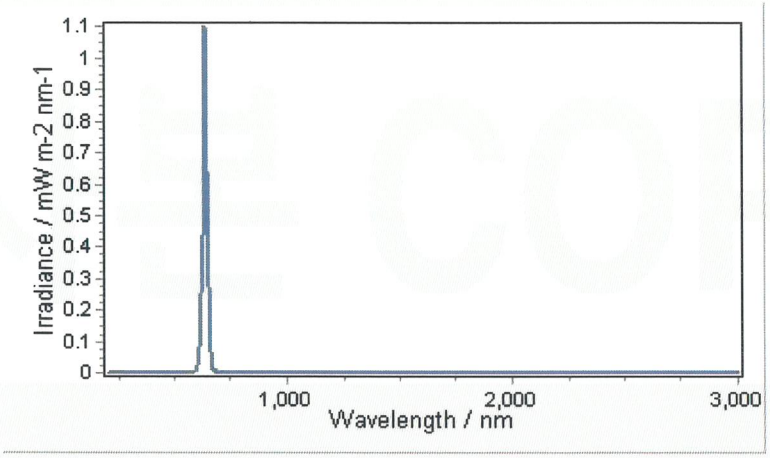
Hazard	Risk Group
Actinic UV	**Exempt**
Near UV	**Exempt**
Blue Light	**Exempt**
Retinal Thermal	**Exempt**
Infrared	**Exempt**
Thermal Skin	**Pass**

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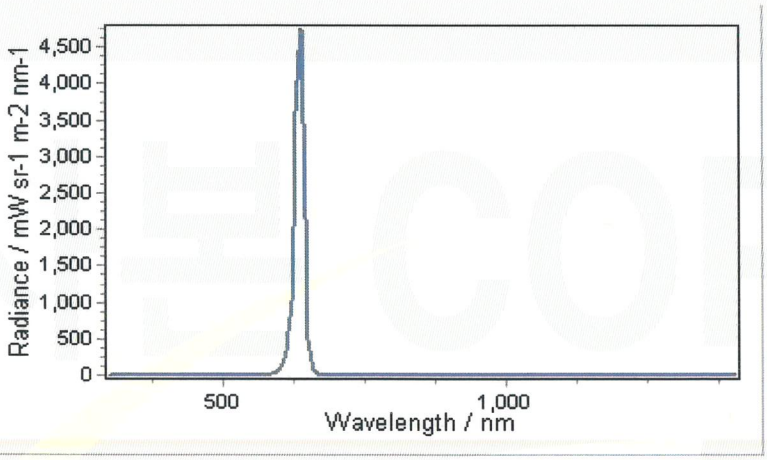
Test Result

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Irradiance Graph (Unit : mW/(m^2·nm))



Radiance Graph (Unit : mW/(sr·m^2·nm))

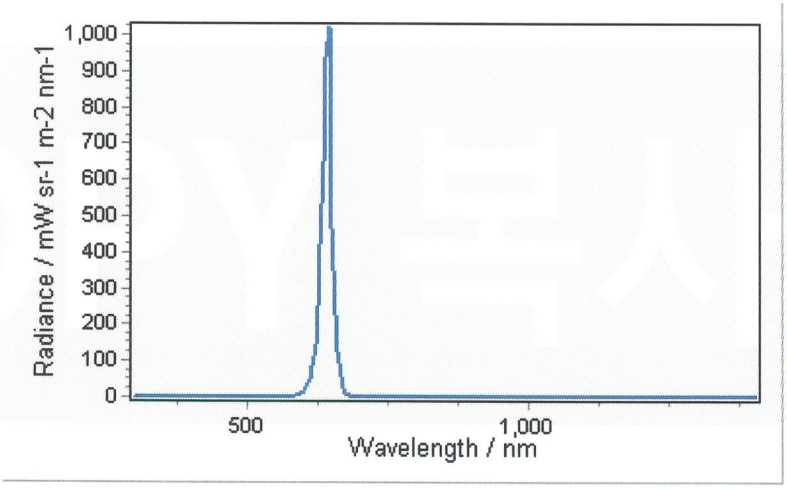


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Test Result

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Radiance Graph (Unit : mW/(sr·m²·nm))



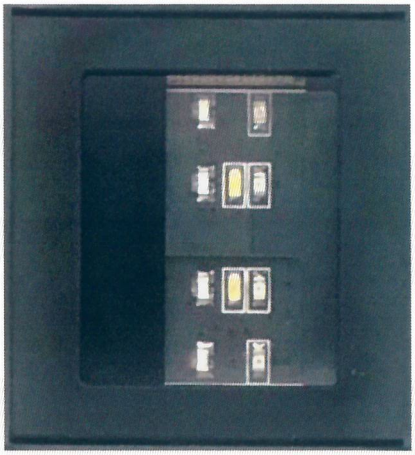
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Test Result

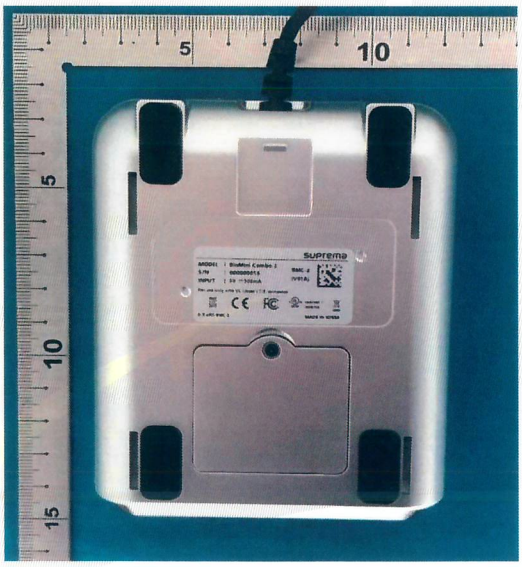
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Sample Photo (Front)





Sample Photo (Back)



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