

## TEST REPORT

REPORT NO.: CTNT2502270010101



Product name : Elliptical laser light

Model No : EMS-026S

Applicant : Shenzhen Emerson Laser Technology Co., LTD.

Test procedure : Type Test

Shenzhen Zhongwei Testing Technology Co., Ltd.





**TEST REPORT**  
**EN 60825-1**  
**Safety of laser products – Part 1:**  
**Equipment classification and requirements**  
**EN 50689: 2021**  
**Safety of laser products –**  
**Particular Requirements for Consumer Laser Products**

**Report Number**.....: CTNT2502270010101

**Date of issue**.....: Mar. 21, 2025

**Name of Testing Laboratory**  
**preparing the Report**.....: Shenzhen Zhongwei Testing Technology Co., Ltd.  
Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang Street,  
Longgang District, Shenzhen, Guangdong, China  
Tel: 086-13662574496  
E-mail: admin@ctnt-cert.com  
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**Applicant's name**.....: Shenzhen Emerson Laser Technology Co., LTD.

**Address**.....: 3rd Floor, Building 2, Wulian Hongchangfa Industrial Park, Longgang  
District, Shenzhen City, Guangdong Province

**Manufacturer's name**.....: Shenzhen Emerson Laser Technology Co., LTD.

**Address**.....: 3rd Floor, Building 2, Wulian Hongchangfa Industrial Park, Longgang  
District, Shenzhen City, Guangdong Province

**Test specification:**

**Standard**.....: EN 60825-1: 2014+A11: 2021&EN 50689: 2021

**Test procedure**.....: Type test

**Non-standard test method**.....: N/A

**Test Report Form No**.....: EU\_GD\_IEC60825\_1G

**Test Report Form(s) Originator**.....: TÜV Rheinland LGA Products GmbH

**Master TRF**.....: Dated 2021-11-05

**General disclaimer:**

The test results presented in this report relate only to the object tested.

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The authenticity of this Test Report and its contents can be verified by contacting the CTNT, responsible for this Test Report.

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This report can be checked and verified in the following ways.

Tel: 0755-28680489

E-mail: admin@ctnt-cert.com

Web: www.ctnt-cert.com



<b>Test item description</b> .....: Elliptical laser light	
<b>Trade Mark</b> .....: N/A	
<b>Model/Type reference</b> .....: EMS-026S, EMS-27	
<b>Ratings</b> .....: 5V  2A	
<b>Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):</b>	
<b>Laboratory Name</b>	Shenzhen Zhongwei Testing Technology Co., Ltd.
<b>Testing location/ address</b> .....:	Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang Street, Longgang District, Shenzhen, Guangdong, China
<b>Tested by(Test Engineer)</b> ..... :	East Zheng 
<b>Reviewed By(Supervisor)</b> .....:	Oliver Long 
<b>Approved by(Chief Engineer)</b> .....:	Flight Lee 
<b>List of Attachments (including a total number of pages in each attachment)</b> - Test data graph, Photo document	
<b>Summary of testing:</b>	
<b>Tests performed (name of test and test clause):</b>  Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. According to the test of EN 60825-1: 2014+A11: 2021 Safety of laser products – Part 1: Equipment classification and requirements. and also considered with the EN 50689: 2021 Safety of laser products – Particular Requirements for Consumer Laser Products.  <b>This product complied with the requirements of Class 2.</b>	<b>Testing location:</b>  Shenzhen Zhongwei Testing Technology Co., Ltd. Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang Street, Longgang District, Shenzhen, Guangdong, China Tel: 086-755-28680489 E-mail: admin@ctnt-cert.com Web: www.ctnt-cert.com
<b>Test item particulars</b> ..... :	
<b>Classification of installation and use:</b>	Transportable / Portable / Stationary / Mobile / Fixed / Permanently installed / Hand-held
<b>Supply Connection</b> .....:	Internally powered / Permanently installed / Appliance coupler / Non-detachable cord
<b>laser Class as defined in 3.44 and 3.18 through 3.24 of EN 60825-1: 2014+A11: 2021</b> ..... :	Class 1, 1C, 1M, 2, 2M, 3R, 3B, or 4-

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