

TEST REPORT

REPORT NO.: CTNT2502130060105



Product name : Cylinder laser light

Model No : EMS-036

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.....: CTNT2502130060105

Date of issue.....: Mar. 17, 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
Web: www.ctnt-cert.com

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.

This report shall not be reproduced, except in full, without the written approval of the Issuing CTNT Testing Laboratory.

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





This report may not be reproduced in part without permission to avoid ambiguous interpretation.

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

Test item description: Cylinder laser light	
Trade Mark: N/A	
Model/Type reference: EMS-036, EMS-36	
Ratings: 5V  2A	
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):	
Laboratory Name	Shenzhen Zhongwei Testing Technology Co., Ltd.
Testing location/ address:	Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang Street, Longgang District, Shenzhen, Guangdong, China
Tested by(Test Engineer) :	East Zheng 
Reviewed By(Supervisor):	Oliver Long 
Approved by(Chief Engineer):	Flight Lee 
List of Attachments (including a total number of pages in each attachment)	
- Test data graph, Photo document	
Summary of testing:	
Tests performed (name of test and test clause): 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. This product complied with the requirements of Class 1.	Testing location: 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
Test item particulars :	
Classification of installation and use:	Transportable / Portable / Stationary / Mobile / Fixed / Permanently installed / Hand-held
Supply Connection:	Internally powered / Permanently installed / Appliance coupler / Non-detachable cord
laser Class as defined in 3.44 and 3.18 through 3.24 of EN 60825-1: 2014+A11: 2021 :	Class 1, 1C, 1M, 2, 2M, 3R, 3B, or 4

This report may not be reproduced in part without permission to avoid ambiguous interpretation.

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