TEST REPORT

REPORT NO.: CTNT2411120050101

Product name: Q Switched Nd: YAG Laser machine

Model No.: LFS-C13E

Applicant: Sanhe LEFIS Electronics Co., Ltd.

Test procedure: Type Test

Shenzhen Zhongwei Testing Technology Co., Ltd.

TEST REPORT
IEC 60825-1
Safety of laser products – Part 1: Equipment classification and requirements

Report Number. .....:	CTNT2411120050101
Date of issue .....:	January 3, 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 .....:	Sanhe LEFIS Electronics Co., Ltd.
Address .....:	Building 11 #1-101, Phase 1, Zhongnan High tech· Yanjiao Science and Technology Innovation Smart Valley Industrial Park 1, South Side of Liushan Street and West Side of Gushan West Road, Yanjiao High tech Zone, Sanhe City, Langfang City, Hebei Province, China
Manufacturer's name .....:	Sanhe LEFIS Electronics Co., Ltd.
Address .....:	Building 11 #1-101, Phase 1, Zhongnan High tech· Yanjiao Science and Technology Innovation Smart Valley Industrial Park 1, South Side of Liushan Street and West Side of Gushan West Road, Yanjiao High tech Zone, Sanhe City, Langfang City, Hebei Province, China
Test specification:	
Standard .....:	IEC 60825-1: 2014
Test procedure .....:	Type Test
Non-standard test method .....:	N/A
Test Report Form No. .....:	IEC60825_1G
Test Report Form(s) Originator ....:	OVE
Master TRF .....:	Dated 2021-10-05

General disclaimer:

The test results presented in this report relate only to the object tested.
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Test item description .....:	Q Switched Nd: YAG Laser machine
Trade Mark .....:	N/A
Model/Type reference .....:	LFS-C13E
Ratings .....:	230V~ 50Hz 1200VA

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) ..... :	Andrea Xie	Andrea Xie
Reviewed by(Supervisor) .....:	Oliver Long	
Approved by(Chief Engineer) .....:	Flight Lee	

List of Attachments (including a total number of pages in each attachment):

- Photo document
- Test data graph

Summary of testing:

Tests performed (name of test and test clause):	**Testing location:**
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. According to the test of IEC 60825-1: 2014 Safety of laser products – Part 1: Equipment classification and requirements. **This product complied with the requirements of Class 4.**	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: 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 IEC 60825-1:2014.....:	Class ~~1, 1C, 1M, 2, 2M, 3R, 3B, or~~ 4
laser output (power or energy).....:	1064nm: Maximum 800mJ (Adjusted 200-800mJ step 100mJ) 532nm: Maximum 250mJ (Adjusted 80-100mJ step 20mJ, Adjusted 100-250mJ step 50mJ)