TEST REPORT

REPORT NO.:CTNT221024008

Product name:	Diode Laser System
Model No.:	S0-P81W-KDX-FKC
Applicant:	Wave-Partical (Beijing) Opto-electronic Technology Ltd
Test procedure:	Entrustment Test

Shenzhen Zhongwei Testing Technology Co., Ltd.

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

Report Number.....:	CTNT221024008
Date of issue.....:	October 29, 2022
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.....:	Wave-Partical (Beijing) Opto-electronic Technology Ltd
Address.....:	B202 Huari Building, Keyuan Road 3#,Daxing District, Beijing
Manufacturer's name.....:	Wave-Partical (Beijing) Opto-electronic Technology Ltd
Address.....:	B202 Huari Building, Keyuan Road 3#,Daxing District, Beijing
Test specification:	
Standard.....:	IEC 60825-1: 2014
Test procedure.....:	Entrustment Test
Non-standard test method.....:	N/A
Test Report Form No.....:	IEC 60825-1F
Test Report Form(s) Originator.....:	UL(US)
Master TRF.....:	Dated 2017-12-21

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.

Test item description.....:	Diode Laser System
Trade Mark.....:	N/A
Model/Type reference.....:	S0-P81W-KDX-FKC
Ratings.....:	Power input: 24V⎓

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)..... :	Rock Zhou	Rock Zhou
Reviewed By(Supervisor).....:	Airan Lu	Airan Lu
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 Safety of laser products – Part 1: Equipment classification and requirements. **The laser safety level of this product is Class 4.** **The maximum output power of the product is 12.46W.**	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..... :	
Supply Connection.....:	Dc power supply
Possible test case verdicts:	
- test case does not apply to the test object.....:	N/A
- test object does meet the requirement.....:	P (Pass)
- test object does not meet the requirement.....:	F (Fail)
- test object does not experiment with this clause.:	-
Testing..... :	
Date of receipt of test item.....:	October 24, 2022
Date (s) of performance of tests.....:	October 27, 2022

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General remarks:

"(See Enclosure #)" refers to additional information appended to the report.
"(See appended table)" refers to a table appended to the report.

Throughout this report a ☐ comma / ☒ point is used as the decimal separator.

Other important notes:

1. If you have any objection to the inspection results in this report, please submit a written report to the company within 15 days from the date of receipt of the report.
2. Entrusting test only responsible for the incoming samples, and the test results are used by the entrusting party to understand the quality of the samples.
3. This test report is invalid without the "test stamp".
4. This report may not be reproduced in part without permission to avoid ambiguous interpretation.
5. Test items with "*" are subcontracted items.
6. The remaining samples under test must be collected within three months of receipt of the inspection report. If the samples are not collected within the time limit, the laboratory will handle them by selves.

Company name: Shenzhen Zhongwei Testing Technology Co., Ltd.
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Email: admin@ctnt-cert.com
Website: www.ctnt-cert.com

General product information:

1. Laser is continuous.