

Test Report

Applicant : **GlobTek, Inc.**
Address : **186 Veterans Dr. Northvale, NJ 07647 USA**

Product : Medical Power Supply

Brand Name/Trade Name : G GlobTek, Inc.

Model No. : GT*9X1001P-*****, 8016-000101
The 1st "*" part can be 'M' or '-' or 'H' for market identification and not related to safety;
The 2nd "*" can be "01" to "100", denotes the rated output wattage designation from 1W to 100W, which with interval of 1W;
The 3rd "*" can be "12" to "54" or "12.0" to "54.0", denote the standard rated output voltage designation from 12V to 54V, with interval of 0.1V;
The 4th "*" --T2 means desktop class II with C8 AC inlet
--T2A means desktop class II with C18 AC inlet
--T3 means desktop class I with C14 AC inlet
--T3A means desktop class I with C6 AC inlet
--TP means desktop class II with power supply cord
--TP3 means desktop class I with power supply cord
The 5th "*" is optional, when the 4th "*" is -TP or -TP3, it can be:
EU means power supply cord with EU plug,
NA means power supply cord with USA plug,
AU means power supply cord with Australian plug.
The 6th * denotes any six character = 0-9 or A-Z or ()[] or – or blank for marketing purposes.

Electrical Rating : For GT*9X1001P-*****:
Input: 100-240V~,50-60Hz or 50/60 Hz, 1.5A; 115Vac, 400Hz, 1.5A
Output: 12.0-54.0V===, Max.8.33A, Max. 100.0W

For 8016-000101:
Input: 100-240V~,50/60Hz, 1.5A; 115Vac, 400Hz, 1.5A
Output: 15.0V===, 4.0 A, 120W(peak)

Manufacturer : same as applicant

Model No. of Manufacturer : /

No. of Samples : 230814-12-005~009

Date of receipt of test item : 2023-08-14

Date (s) of performance of test : 2023-11-14

Date of issue : 2024-04-12

Service Requested : IP54 test

Method : IEC 60529:1989+AMD1:1999+AMD2:2013

Conclusion : The testing of submitted sample comply with the above safety standard clause/requirement (refer to page 3-4).

Test Report

Prepared and checked by:
Eurofins Electrical Testing Service (Shanghai) Co.,
Ltd.

Reviewed by
Eurofins Electrical Testing Service (Shanghai) Co.,
Ltd.



Jack Gan
Project Manager



Jackie Zhao
Reviewer

- The results reported in this test report shall refer only to the sample actually checked and shall not refer or be deemed to refer to bulk from which such a sample may be said to have been obtained.
- This report shall not be reported except in full without prior authorization from Eurofins Electrical Testing Service (Shanghai) Co., Ltd.
- The services are provided subject to the terms and condition of the company, which can be furnished upon request.

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Test Method

Test means for the tests for protection against solid foreign objects

First characteristic numeral	Test means	Test force	Test conditions, see
0	No test required	--	--
1	Rigid sphere without handle or guard 50 ₀ ^{+0,2} mm diameter	50 N ± 10 %	13.2 of IEC 60529
2	Rigid sphere without handle or guard 12,5 ₀ ^{+0,2} mm diameter	30 N ± 10 %	13.2 of IEC 60529
3	Rigid steel rod 2,5 ₀ ^{+0,05} mm diameter with edges free from burrs	3 N ± 10 %	13.2 of IEC 60529
4	Rigid steel rod 1,0 ₀ ^{+0,05} mm diameter with edges free from burrs	1 N ± 10 %	13.2 of IEC 60529
5	Dust chamber figure 2, with or without underpressure	--	13.4 + 13.5 of IEC 60529
6	Dust chamber figure 2, with underpressure	--	13.4 + 13.5 of IEC 60529

Test means and main test conditions for the tests for protection against water

Second characteristic numeral	Test means	Water flow rate	Duration of test	Test conditions, see
0	No test required	--	--	--
1	Drip box Figure 3 Enclosure on turntable	0,51+ 0 mm/min	10 min	14.2.1 of IEC 60529
2	Drip box Figure 3 Enclosure in 4 fixed positions of 15° tilt	0,53+ 0 mm/min	2,5 min for each position of tilt	14.2.2 of IEC 60529
3	Oscillating tube Figure 4 Spray ± 60° from vertical, distance max. 200 mm or Spray nozzle Figure 5 Spray ± 60° from vertical	0,07 l/min ± 5 % per hole, multiplied by number of holes 10 l/min ± 5 %	10 min 1 min/mx at least 5 min	14.2.3 a) 14.2.3 b) of IEC 60529
4	As for numeral 3 Spray ± 180° from vertical	As for numeral 3		14.2.4 of IEC 60529
5	Water jet hose nozzle Figure 6 Nozzle 6,3 mm diameter, distance 2,5 m to 3 m	12,5 l/min ± 5 %	1 min/mx at least 3 min	14.2.5 of IEC 60529
6	Water jet hose nozzle Figure 6 Nozzle 12,5 mm diameter, distance 2,5 m to 3 m	100 l/min ± 5 %	1 min/mx at least 3 min	14.2.6 of IEC 60529
7	Immersion tank Water-level on enclosure: 0,15 m above top 1 m above bottom	--	30 min	14.2.7 of IEC 60529
8	Immersion tank Water-level: by agreement	--	by agreement	14.2.8 of IEC 60529

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Acceptance conditions

For protection against water: see clause 14.3 of IEC 60529:1989+AMD1:1999+AMD2:2013 and Clause 11.6.5 of IEC 60601-1:2005+AMD1:2012+AMD2:2020.

For protection against solid foreign objects: 13.5.2 of IEC 60529:1989+AMD1:1999+AMD2:2013

Test results

The sample comply with the requirements of IP54 of IEC 60529:1989+AMD1:1999+AMD2:2013

Remark:

After tests, the test sample can operate normally.

Test Report

Photo 1.

Description: Overview of sample



Photo 2

Description: Overview of sample (appliance inlet, C14, C6, C18, C8)



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