



TEST REPORT

Reference No.	WTX23D10218937Z002
Reference NO	W 1 A 2 3 D 1 U 2 1 0 9 3 1 2 U U 2

Applicant.....: GlobTek, Inc.

Manufacturer.....: GlobTek, Inc.

Address. : 186 Veterans Dr. Northvale, NJ 07647 USA

Product Name : Blades-R Model No. : R-NA-3

Ratings.....: N/A

Standards.....: UL 1310:2018 Ed.7+R:16Aug2019, UL 62368-1:2019

Test Item : See list of test item

Date of Receipt sample.....: 2023-10-18

Date of Test : 2023-10-18 to 2023-11-15

Date of Issue 2023-11-20

Test Result.....: : The submitted samples comply with the above standards

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

Prepared By:

Waltek Services (Shenzhen) Co., Ltd.

Address: 1/F, Fukangtai Building, West Baima Rd., Songgang Street, Baoan District, Shenzhen, Guangdong, China
Tel:+86-755-83551033
Fax:+86-755-83552400

Compiled by:

Approved by:

Dave Feng /Project Engineer

Sam Qi /Designated Reviewer



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List of test items:

No.	Test Items	Requirement + Test	Result
1 LIE	WEIGHT AND MOMENT DETERMINATION	UL 1310: 2017 Clause 7.11	Pass
2	BLADE SECUREMENT TEST	UL 1310: 2017 Clause 43	Pass
3	SECURITY OF INPUT CONTACTS	UL 1310: 2017 Clause 44	Pass
4 🐠	ROD PRESSURE TEST	UL 1310: 2017 Clause 46.4	Pass
5 N.	DIRECT PLUG-IN RESISTANCE TO CRUSHING	UL 1310: 2017 Clause 46.5	Pass
6	DIRECT PLUG IN EQUIPMENT-MOMENT TEST	UL 62368-1 4.7	Pass

Subcontract

Whether parts of tests for the product have been subcontracted to other

labs: Yes No

If Yes, list the related test items and lab

information: Test items: ---Lab information: --

Name and address of factory (ies):

1: GlobTek, Inc. 186 Veterans Dr. Northvale, NJ 07647 USA

2. GlobTek (Suzhou) Co., Ltd Building 4, No. 76, Jin Ling East Rd., Suzhou Industrial Park, Suzhou, JiangSu 215021, China

Remarks:

The product with models R-NA-3 is Plug with detachable US plug and connector. The maximum ambient temperature specified by manufacturer is 40°C Connector on detachable plug part with adaptor has been tested with the appliance according to IEC 60320-1:2021 see report No. WTX23D10218937Z001



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3	20		UL 1310	
Š	Clause	Requirement – Test	Result – Remark	Verdict

Equipment's combined with two-pole plug (Class II)

Supplementary tests on plug portion are according to ANSI/UL 1310

1	Dimensions	A St St State State	The Part
1.1	Checked according to NEMA WD 6-2002 figure 1-15	t uni uni uni un un u	Р
1.2	Checked according to figure 7.1, 7.5, sub- clauses 7.11, 7.16 of ANSI/UL 1310	(see appended table)	Р
2	Direct Plug-In Blade Secureness Test	The Me My My	Р
2.1 The sun	Each blade subject to pull test (89N / 2 min) and then two blade subject to pull test (89N / 2min) together. The displacement of each blade shall not exceed 2.4 mm measured 2 minute after remove the weight. (clause 43 of ANSI/UL 1310)	(see appended table)	INTE WINTER
3	Direct Plug-In Security of Input Contacts Test	et let liet allet mile	Jr P
3.1	Push test of each blade (133N / 1 min); (clause 44.1.2 of ANSI/UL 1310)	(see appended table)	P NITE WA
3.2	Then the same specimen subject to push test of all blades (178N / 1 min); (clause 44.1.3 of ANSI/UL 1310) The blades shall not loosen.	(see appended table)	EX P
3.3	Folding and retracting blades subject to 6000 cycle rotating	TEK TEK TIFEK STIFEK MITTEK	N-
3.4 Let winting	After test, it shall a) Be operational b) Not expose live part c) Not influence plug and unplug to receptacle d) Comply with test of clause 43, 44.1.2, 44.1.3 e) Not alter the temperature rise of blade contact under normal operation	LEK WHITEK WHITE	LIE'N LIE'N WILLEY WILLEY WILL WILL WILL WILL WILL WILL WILL WIL
4	Resistance to crushing on direct plug-in units (clause 46.5.1 of ANSI/UL 1310)	TEX TEX STEEL WITTER WITTER WITTER	PAL
1	A sample of each model tabulated below	The The Land	Р



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211		UL 1310 (1)	
Clause	Requirement – Test	Result – Remark	Verdict

	10.1.20	The state of the s	-0,1
WALTER WA	was placed between two maple blocks each not less than 1/2 in. thick and one having slots for the plug blades. A crushing force of 75 lb was applied gradually in a direction normal to the mounting surface for a period of 1 minute.	NUTER WHITER WHITER WHITER WHITER W	MALTER WALTER
MUTTER	There was no splitting, cracking or shattering of the enclosure that would expose internal wiring or hazardous live parts.	divited whited whited whites white	WIND WIN
5	Rod pressure on direct plug-in units(clause 46.4 of ANSI/UL 1310)	EX WHITEK WHITEK WHITEK WH	The Public
MULTER WALTER	A force increasing from 0 to 20 pounds-force (0 to 89 N) over a time period of 5 seconds was applied through the axis of a rod perpendicular to the surface of the enclosure. The rod was 1/2 in. (12.7 mm) diameter, having a flat contact end with the edge rounded to a radius of 1/32 in. (0.8 mm) to eliminate sharp edges. The force was maintained at 20 pounds for 1 minute.	AND TEK WALTER W	PIE WALTER WALTER
Whitek whitek	During this test, peak voltage and touch current were monitored between earth ground and all parts of the enclosure (the outer foil wrap). If the Peak Voltage was less than 42.4 V, then the Leakage Current was not measured. Following the test, the sample was subjected to the Electric Strength Test.	ALTER WHITER WHI	MILIER WALTER
6.	DIRECT PLUG- IN EQUIPMENT-MOMENT TEST (Clause 4.3.6 UL60950)	tek mutek mutek mutek mutek w	MITP WITE
70	Torque	MULT MET MET AND AND AND	Р
NUTE OF	Compliance with the relevant mains plug standard:	WALLER WHILE WHILE WHILE WHILE	P

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1-WEIGHT AND MOMENT DETERMINATION: (DIRECT PLUG-IN UNIT) (clause 7.11, UL1310)

METHOD

The output cord was not included in the weight measurement.

Each sample was weighed and the distance to the center of gravity was measured using suitable instruments. The distance between the center of the blades and the center of gravity was measured. The moments were then calculated by taking the products of the above measurements.

- W = Weight of the device.
- $S = The lesser of S_1 and S_2$.
- S_1 = Distance from the center of the blades to the left side of the enclosure.
- S_2 = Distance from the center of the blades to the right side of the enclosure.
- X =The greater of X_1 and X_2 .
- X_1 = Distance from the horizontal axis passing through the center of the blades to the center of gravity.
- X_2 = Distance from the vertical axis passing through the center of the blades to the center of gravity.
- Y = Distance from the face [blade side] to the center of gravity.
- Z =The lesser of Z_1 and Z_2 .
- Z_1 = Distance from the center of the blades to the top of the enclosure.
- Z_2 = Distance from the center of the blades to the bottom of the enclosure.

WEIGHT AND MOMENT DETERMINATION: (DIRECT PLUG-IN UNIT) (CONT'D)

RESULTS

Values are in grams or millimeters.

Mode	ı W	S	X	Y	MITER Zamite	WY/Z	WY/S	wx
R-NA-	3 234g	26.5mm	30.19mm	13.86mm	17.91mm	181.1g	122.4g	0.069Nm

W did not exceed 794 grams, WY/Z did not exceed 1361 grams, WY/S did not exceed 1361 grams, and WX did not exceed 0.56 Nm (57606 gram-millimeters).

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2 - DIRECT PLUG-IN BLADE SECUREMENT TEST(clause 43, UL1310)

FIFT STEEL WITE WITE	Displacement (mm)				
Model	Blade 1	Blade 2	Grounding Pin	Blade 1 and 2	
R-NA-3	0.01	0.01	ALTER TALTER OF	0.01	

The blades did not loosen by more than 2.4 mm or pull out.

3 - DIRECT PLUG-IN SECURITY OF INPUT CONTACTS (clause 44, UL1310)

71 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	the set the wife.	Displacement (mm)	
Model	Blade 1	Blade 2	Both Blades
R-NA-3	0.01	0.01	0.01

The blades did not loosen to a degree that would introduce a risk of a fire or an electric shock.

4 - DIRECT PLUG-IN ROD PRESSURE TEST(clause 46.4, UL1310)

Model	Rod Pressure Point	Voltage (Vpk)	Touch Current Required?
R-NA-3	Center of enclosure face closest to transformer	23.8V	Yes

SINGLE-PHASE EQUIPMENT - Figure 5A.

The test was made in all combinations to the normal and reverse polarity of the supply circuit (Polarity Switch P1).

Terminal A (Switch "s") of	EL MUTTE MUE	Touch Current (mA r.m.s.)					
Measuring	Switch "e"	Polarity P1/Primary Switch Condition					
Instrument Connected to:	Position	Normal/On	Normal/Off	Reverse/On	Reverse/Off		
Enclosure with metal foil	WILLER WALLER M	0.018		0.020	TEX -TEX		

The touch curren did not exceed 0.25 mA r.m.s with terminal A connected to the earth terminal of the unit with Switch "e" closed.



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5 - DIRECT PLUG-IN RESISTANCE TO CRUSHING(clause 46.5, UL1310)

Model	Observations	ONLY ELL	WILLE	Merce	Aller
R-NA-3	No cracking. Intact		SEK.	LIEK	THEFT S

There was no splitting, cracking or shattering of the enclosure that would expose internal wiring or hazardous live parts.

6- DIRECT PLUG IN EQUIPMENT-MOMENT TEST(4.7, UL 62368-1)

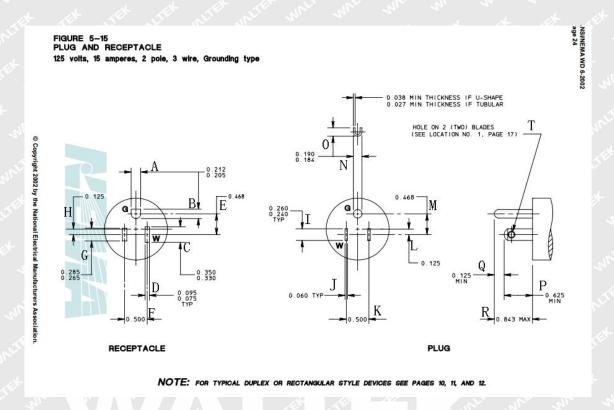
4.7 Torque test for equ socket-outlets	ipment for direct in	nsertion into	mains	I/A □ Fail □	☑ Pass	
Test Requirement: The additional torque from	n plug-in equipment a	pplied to the	socket-outlet s	hall not exceed 0	,25 Nm	TEK UI
Remark (additional info Torque(to maintain the en		in an	Write Murit	MUT AUT	001	WHITEK
	and the second	Torqu	Torque (Ni	n)	Result	
Plug type	Orientation	Force (N)	Distance (mm)	Calculated Torque (Nm)	Pass	Fail
US plug		0.49	58	0.028	(√)	()
	□ Normal ⊠ Reverse	0.49	61	0.030	(√)	()
Supplementary informatio	n: unité unit	211- 211	711 - 50	at at A	* 1	, LI



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Dimension Checking for Three-pin plugs of NA (15 A, 125V)

According to (NEMA WD 6-2002 Figure 5-15)



Symb	Requirement	Measured	Symb	Requirement	Measured
ol	(inch)	(inch)	ol	(inch)	(inch)
Net 3	0.240-0.260	0.245	<i>o</i> + O+	0.184-0.190	MALITE WALLE
,(J	0.055-0.065	0.056	P	0.625-0.718	0.638
K	0.500±0.001	0.501	Q	0.125±0.001	0.125
⊦ L _≪	0.125±0.001	0.128	R	0.843±0.001	0.843
М	0.468±0.001	0.4691	JEH TUTE	0.125	0.125
N	0.184-0.190	0.1871	10 20.	a at at	- 18th 18th
(intend olade		dren's toys) or 5.	1 mm from	ess than 7.9 mm any point of either	8.50mm

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Photo Documentation:

Model: R-NA-3

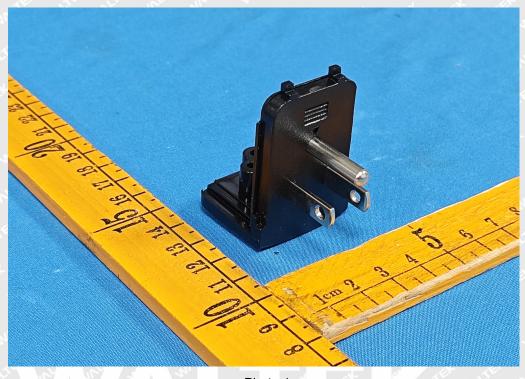


Photo 1



Photo 2

=====End of Report=====