



## TEST REPORT

**Customer Name** : Aton Rural Development Pvt. Ltd.  
**Customer Address** : D-11/28, UPSIDC Site-5, kasna, Greater Noida.  
**Contact Person** : Mr. Shyam Gupta  
**Test Report No.** : A2007025 **Group:- Miscellaneous**  
**Report Issue Date** : 20.07.2020  
**Date of Receipt of Sample** : 02.07.2020  
**Brand** : Aton Solar  
**Size** : N.A.  
**Code** : N.A.  
**Protection Level** : N.A.  
**Sample Description** : Mobile Solar Box 500W  
**Model No.** : MSB005  
**Job Start Date** : 11.07.2020  
**Job Completion date** : 11.07.2020  
**Specification** : JSS 55555  
**Sampling Plan & Method** : N.A.  
**Total Pages** : 03

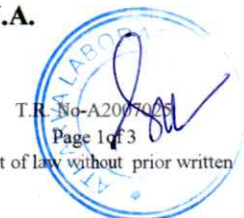
**Laboratory Environment Condition:** 27 ± 2°C

**Relative Humidity:** RH 65 ± 5%

**Addition, Deviation Or Exclusion From The Test Method:** N.A.

**Statement of Conformity and Decision Rule (In Case of Borderline Test Result):** N.A.

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- Kindly refer our certificate no. TC 6319 for NABL Scope.
- Report should not be produced in piece meal.
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## TEST REPORT

**Discipline: Mechanical**

**Group: Miscellaneous**

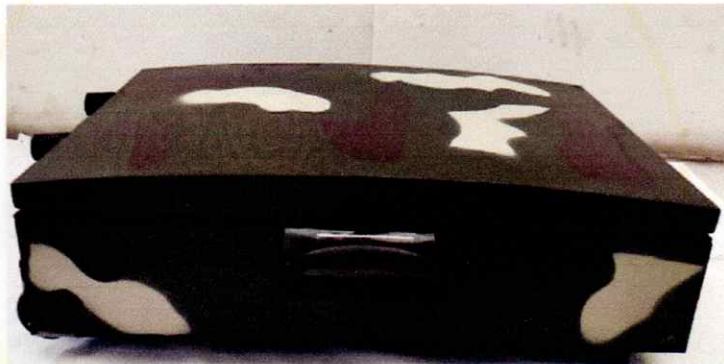
**Test Name: Vibration Test**

**Test condition :**

Parameters	Value
Vibration Type	Sinusoidal
Vibration Axis	X,Y & Z
Frequency Range	5-350Hz
Acceleration	2g
Sweep Rate	1octave/min.
Total Test Duration	6 hrs

### Test Images

**Sample before test:**



**Sample during test:**



**At X-Axis**

**At Y-Axis**

**At Z-Axis**

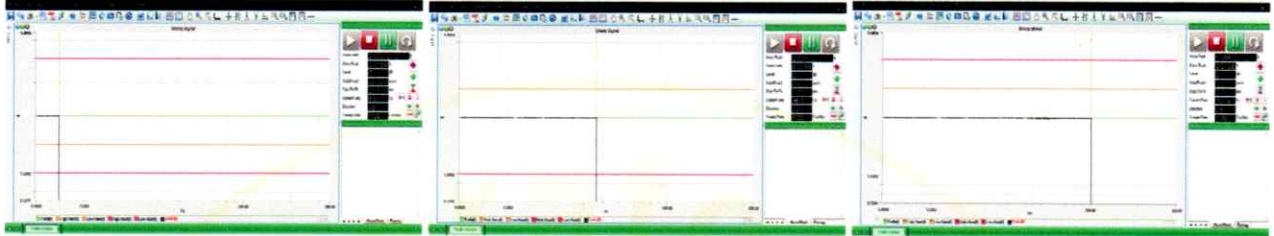
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## TEST REPORT

**Graph:**



**Sample After test:**



**Observation:** No any visual damage or abnormalities observed after completion the test.

**Apparatus used:**

Sl. No.	Nomenclature	Make	Calibration date	Calibration valid
01	Vibration Shaker	Tarang Kinetics	02.03.2020	02.03.2021

Checked By: *Bhupesh*  
**Name: Mr. Bhupesh Rohilla**  
**Designation: Head of the Department**

Reviewed By: *Ashish*  
**Name: Mr. Ashish Pathak**  
**Designation: Quality Manager**

Authorized By: *Snehsish*  
**Name: Mr. Snehsish Nandi**  
**Designation: Technical Manager**

-----End of the Test Report-----



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**Customer Address** : D-11/28, UPSIDC Site-5, kasna, Greater Noida.  
**Contact Person** : Mr. Shyam Gupta  
**Test Report No.** : A2007025 **Group:-** Miscellaneous  
**Report Issue Date** : 20.07.2020  
**Date of Receipt of Sample** : 02.07.2020  
**Brand** : Aton Solar  
**Size** : N.A.  
**Code** : N.A.  
**Protection Level** : N.A.  
**Sample Description** : Mobile Solar Box 500W  
**Model No.** : MSB005  
**Job Start Date** : 10.07.2020  
**Job Completion date** : 17.07.2020  
**Specification** : JSS 55555  
**Sampling Plan & Method** : N.A.  
**Total Pages** : 03

**Laboratory Environment Condition:** 27 ± 2°C

**Relative Humidity:** RH 65 ± 5%

**Addition, Deviation Or Exclusion From The Test Method:** N.A.

**Statement of Conformity and Decision Rule (In Case of Borderline Test Result):** N.A.

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## TEST REPORT

**Discipline: Mechanical**

**Group: Miscellaneous**

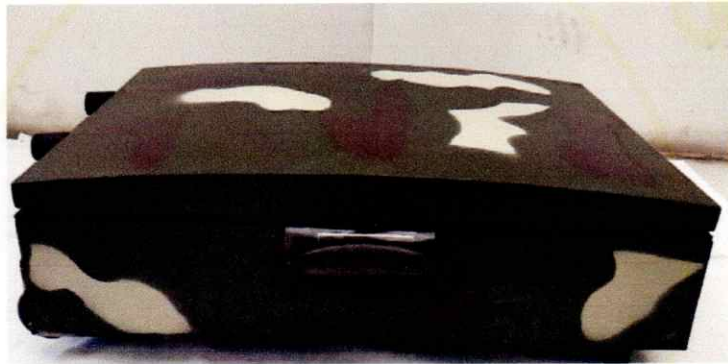
**Test Name: Salt Corrosion Test**

**Test condition :**

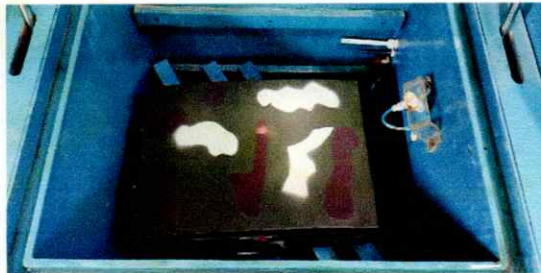
Parameters	Value
Spray Solution	Within 10% of salt solution
Spray Duration	2 hrs
Storage Temperature and humidity	35±2°C & RH 95%
Storage Duration	7 Days

### Test Images

**Sample before test:**



**Sample during test:**



**During Spray period**



**During storage period**

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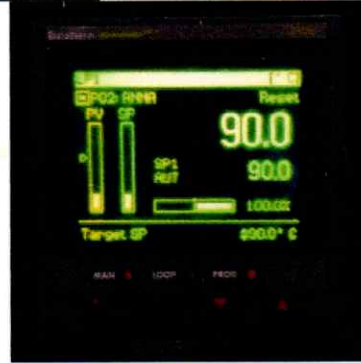




## TEST REPORT



Temp. Indicator



Humidity Indicator

### Sample After test:



**Observation:** No Corrosion observed after completion the test.

### Apparatus used:

Sl. No.	Nomenclature	Make	Calibration date	Calibration valid
01	Salt Spray Chamber	Warmmax	25.10.2019	24.10.2020
02.	Environment Chamber	Ballice	25.10.2019	26.09.2020

Checked By: *[Signature]*  
 Name: Mr. Bhupesh Rohilla  
 Designation: Head of the Department

Reviewed By: *[Signature]*  
 Name: Mr. Ashish Pathak  
 Designation: Quality Manager

Authorized By: *[Signature]*  
 Name: Mr. Snehsish Nandi  
 Designation: Technical Manager

-----End of the Test Report-----

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**Customer Name** : Aton Rural Development Pvt. Ltd.  
**Customer Address** : D-11/28, UPSIDC Site-5, kasna, Greater Noida.  
**Contact Person** : Mr. Shyam Gupta  
**Test Report No.** : A2007025 **Group:- Miscellaneous**  
**Report Issue Date** : 20.07.2020  
**Date of Receipt of Sample** : 02.07.2020  
**Brand** : Aton Solar  
**Size** : N.A.  
**Code** : N.A.  
**Protection Level** : N.A.  
**Sample Description** : Mobile Solar Box 500W  
**Model No.** : MSB005  
**Job Start Date** : 06.07.2020  
**Job Completion date** : 07.07.2020  
**Specification** : JSS 55555  
**Sampling Plan & Method** : N.A.  
**Total Pages** : 03

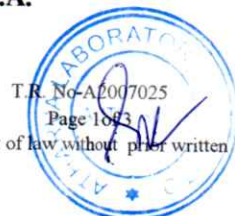
**Laboratory Environment Condition:** 27 ± 2°C

**Relative Humidity:** RH 65 ± 5%

**Addition, Deviation Or Exclusion From The Test Method:** N.A.

**Statement of Conformity and Decision Rule (In Case of Borderline Test Result):** N.A.

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## TEST REPORT

**Discipline: Mechanical**

**Group: Miscellaneous**

**Test Name: Low temperature**

**Test condition :**

Parameters	Value
Exposure Temperature	-10±3°C
Total Exposure Duration	16 hours

### Test Images

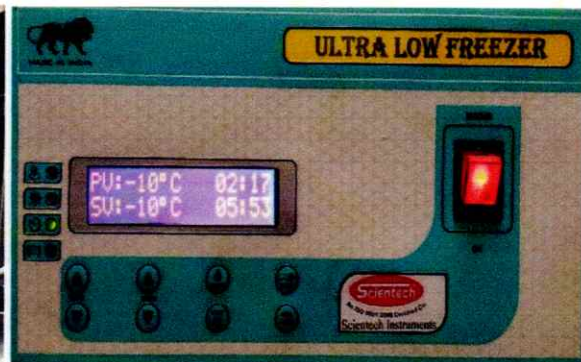
**Sample before test:**



**Sample during test:**



**Chamber**



**Digital temp. Indicator**

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ATHARVA LABORATORIES PVT. LTD.

SCIENTECH INSTRUMENTS





## TEST REPORT


**Sample After test:**




**Observation:** No any visual damage or abnormalities observed after completion the test.

**Apparatus used:**

Sl. No.	Nomenclature	Make	Calibration date	Calibration valid
01	Deep Freezer	Scientech	19.06.2020	18.06.2021

Checked By:   
 Name: Mr. Bhupesh Rohilla  
 Designation: Head of the Department

Reviewed By:   
 Name: Mr. Ashish Pathak  
 Designation: Quality Manager

Authorized By:   
 Name: Mr. Shishish Nandi  
 Designation: Technical Manager

-----End of the Test Report-----



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## TEST REPORT

**Customer Name** : Aton Rural Development Pvt. Ltd.

**Customer Address** : D-11/28, UPSIDC Site-5, kasna, Greater Noida.

**Contact Person** : Mr. Shyam Gupta

**Test Report No.** : A2007025 **Group:-** Miscellaneous

**Report Issue Date** : 20.07.2020

**Date of Receipt of Sample** : 02.07.2020

**Brand** : Aton Solar

**Size** : N.A.

**Code** : N.A.

**Protection Level** : N.A.

**Sample Description** : Mobile Solar Box 500W

**Model No.** : MSB005

**Job Start Date** : 04.07.2020

**Job Completion date** : 05.07.2020

**Specification** : JSS 55555

**Sampling Plan & Method** : N.A.

**Total Pages** : 03

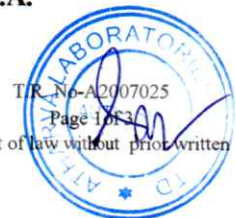
**Laboratory Environment Condition:** 27 ± 2°C

**Relative Humidity:** RH 65 ± 5%

**Addition, Deviation Or Exclusion From The Test Method:** N.A.

**Statement of Conformity and Decision Rule (In Case of Borderline Test Result):** N.A.

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## TEST REPORT

**Discipline: Mechanical**

**Group: Miscellaneous**

**Test Name: High temperature**

**Test condition :**

Parameters	Value
Exposure Temperature	70±3°C
Total Exposure Duration	16 hours

### Test Images

**Sample before test:**



**Sample during test:**



**Chamber**



**Digital temp. Indicator**

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T.R. No. 2007025

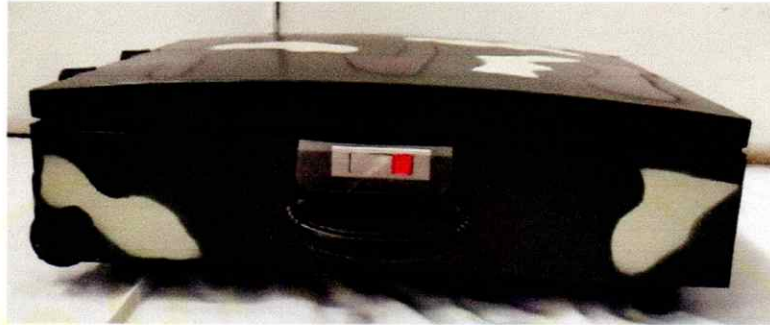
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## TEST REPORT

**Sample After test:**



**Observation:** No any visual damage or abnormalities observed after completion the test.

**Apparatus used:**

Sl. No.	Nomenclature	Make	Calibration date	Calibration valid
01	Hot air oven	Sciencetech	28.01.2020	27.01.2021

Checked By: *[Signature]*  
 Name: Mr. Bhupesh Rohilla  
 Designation: Head of the Department

Reviewed By: *[Signature]*  
 Name: Mr. Ashish Pathak  
 Designation: Quality Manager

Authorized By: *[Signature]*  
 Name: Mr. Spehsish Nandi  
 Designation: Technical Manager



-----End of the Test Report-----

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T.R. No-A2007025

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## TEST REPORT

**Customer Name** : Aton Rural Development Pvt. Ltd.  
**Customer Address** : D-11/28, UPSIDC Site-5, kasna, Greater Noida.  
**Contact Person** : Mr. Shyam Gupta  
**Test Report No.** : A2007025 **Group:-** Miscellaneous  
**Report Issue Date** : 20.07.2020  
**Date of Receipt of Sample** : 02.07.2020  
**Brand** : Aton Solar  
**Size** : N.A.  
**Code** : N.A.  
**Protection Level** : N.A.  
**Sample Description** : Mobile Solar Box 500W  
**Model No.** : MSB005  
**Job Start Date** : 12.07.2020  
**Job Completion date** : 12.07.2020  
**Specification** : JSS 55555  
**Sampling Plan & Method** : N.A.  
**Total Pages** : 03

**Laboratory Environment Condition:**  $27 \pm 2^{\circ}\text{C}$

**Relative Humidity:** RH  $65 \pm 5\%$

**Addition, Deviation Or Exclusion From The Test Method:** N.A.

**Statement of Conformity and Decision Rule (In Case of Borderline Test Result):** N.A.

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## TEST REPORT

**Discipline: Mechanical**

**Group: Miscellaneous**

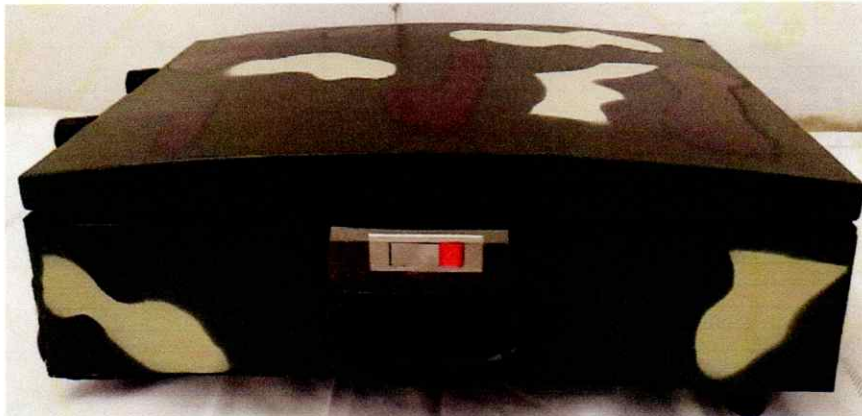
**Test Name: Dust Test**

**Test condition :**

Parameters	Value
Dust micron size	150 as per IS sieve
Dust Chamber temperature & Humidity	40±3°C & RH 50%
Dust collection amount	25±5 grams for 5 minutes
Total Exposure duration	1 Hour

### Test Images

**Sample before test:**



**Sample during test:**



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## TEST REPORT

**Sample after test:**



**Observation:** No any visual abnormalities observed after completion the test.

Checked By: *Bhupesh*  
 Name: Mr. Bhupesh Rohilla  
 Designation: Head of the Department

Reviewed By: *Ashish*  
 Name: Mr. Ashish Pathak  
 Designation: Quality Manager

Authorized By: *Sneha*  
 Name: Mr. Sneha Nandi  
 Designation: Technical Manager



-----End of the Test Report-----

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T.R. No-A2007025

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## TEST REPORT

**Customer Name** : Aton Rural Development Pvt. Ltd.  
**Customer Address** : D-11/28, UPSIDC Site-5, kasna, Greater Noida.  
**Contact Person** : Mr. Shyam Gupta  
**Test Report No.** : A2007025 **Group:-** Miscellaneous  
**Report Issue Date** : 20.07.2020  
**Date of Receipt of Sample** : 02.07.2020  
**Brand** : Aton Solar  
**Size** : N.A.  
**Code** : N.A.  
**Protection Level** : N.A.  
**Sample Description** : Mobile Solar Box 500W  
**Model No.** : MSB005  
**Job Start Date** : 10.07.2020  
**Job Completion date** : 10.07.2020  
**Specification** : JSS 55555  
**Sampling Plan & Method** : N.A.  
**Total Pages** : 03

**Laboratory Environment Condition:** 27 ± 2°C

**Relative Humidity:** RH 65 ± 5%

**Addition, Deviation Or Exclusion From The Test Method:** N.A.

**Statement of Conformity and Decision Rule (In Case of Borderline Test Result):** N.A.

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## TEST REPORT

**Discipline: Mechanical**

**Group: Miscellaneous**

**Test Name: Drop Test**

**Test condition :**

Parameters	Value
Drop height	1000mm
Total No. of drops	4 drops on each face

### Test Images

**Sample before test:**



**Sample during test:**



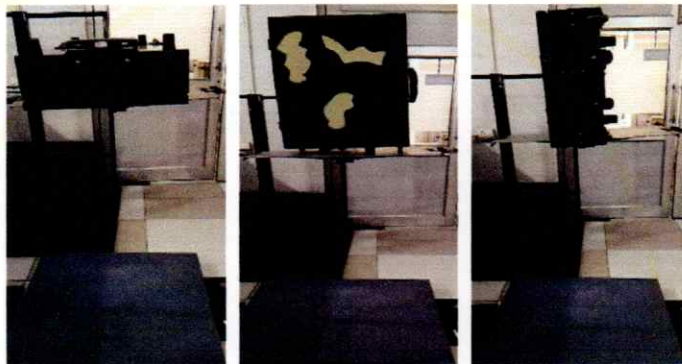
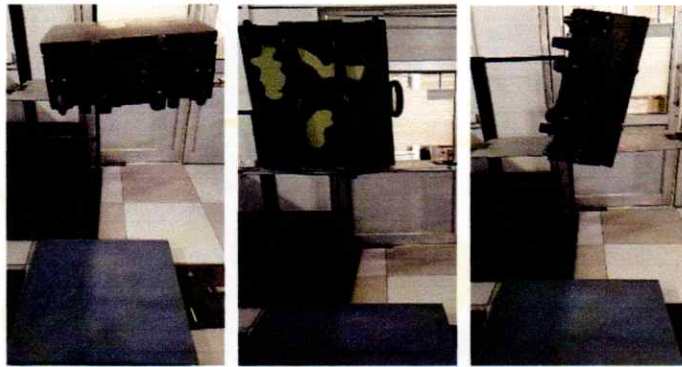
**Measurement**

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## TEST REPORT



### Sample After test:



**Observation:** No any visual damage or abnormalities observed after completion the test.

Checked By: *Bhupesh*  
 Name: Mr. Bhupesh Rohilla  
 Designation: Head of the Department

Reviewed By: *Ashish*  
 Name: Mr. Ashish Pathak  
 Designation: Quality Manager

Authorized By: *Snehsish*  
 Name: Mr. Snehsish Nandi  
 Designation: Technical Manager

-----End of the Test Report-----

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## TEST REPORT

**Customer Name** : Aton Rural Development Pvt. Ltd.

**Customer Address** : D-11/28, UPSIDC Site-5, kasna, Greater Noida.

**Contact Person** : Mr. Shyam Gupta

**Test Report No.** : A2007025 **Group:- Miscellaneous**

**Report Issue Date** : 20.07.2020

**Date of Receipt of Sample** : 02.07.2020

**Brand** : Aton Solar

**Size** : N.A.

**Code** : N.A.

**Protection Level** : N.A.

**Sample Description** : Mobile Solar Box 500W

**Model No.** : MSB005

**Job Start Date** : 12.07.2020

**Job Completion date** : 12.07.2020

**Specification** : JSS 55555

**Sampling Plan & Method** : N.A.

**Total Pages** : 03

**Laboratory Environment Condition:** 27 ± 2°C

**Relative Humidity:** RH 65 ± 5%

**Addition, Deviation Or Exclusion From The Test Method:** N.A.

**Statement of Conformity and Decision Rule (In Case of Borderline Test Result):** N.A.

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## TEST REPORT

**Discipline: Mechanical**

**Group: Miscellaneous**

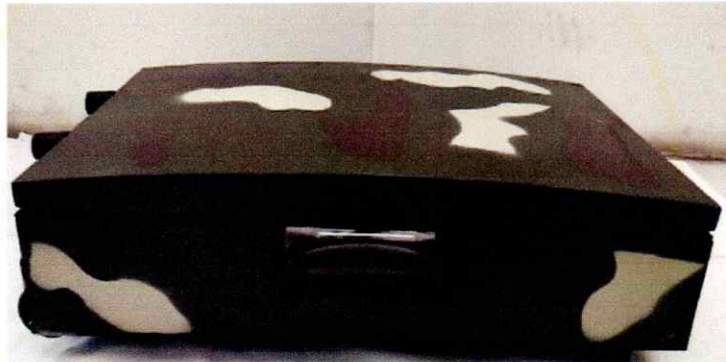
**Test Name: Driven Rain Test**

**Test condition :**

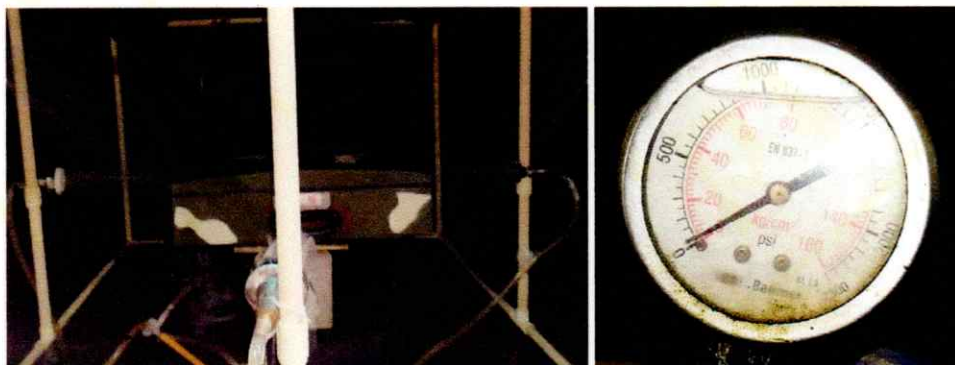
Parameters	Value
Pressure of spraying water	200Kpa
Total no. of shower head	8 ( Four shower heads downwards at an angle of 45 <sup>0</sup> and remaining four shower heads horizontally at the center of the area of each of four sides of the UUT.
Water consumptions	450 L/h
Total test duration	1 h

### Test Images

**Sample before test:**



**Sample during test:**



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T.R. No: A2007025

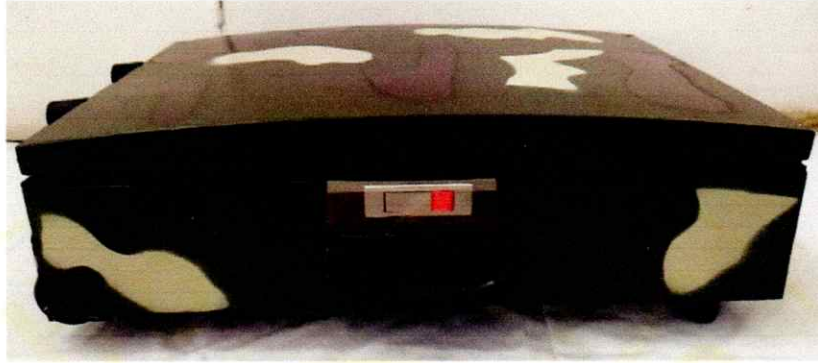
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## TEST REPORT

**Sample After test:**



**Observation:** No water droplet observed inside the UUT after completion the test.

**Apparatus used:**

Sl. No.	Nomenclature	Make	Calibration date	Calibration valid
01	Pressure Gauge	Baumer	10.07.2020	09.07.2021

Checked By: *Bhupesh*  
 Name: Mr. Bhupesh Rohilla  
 Designation: Head of the Department

Reviewed By: *Ashish*  
 Name: Mr. Ashish Pathak  
 Designation: Quality Manager  
 -----End of the Test Report-----

Authorized By: *Snehsish*  
 Name: Mr. Snehsish Nandi  
 Designation: Technical Manager



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## TEST REPORT

**Customer Name** : Aton Rural Development Pvt. Ltd.  
**Customer Address** : D-11/28, UPSIDC Site-5, kasna, Greater Noida.  
**Contact Person** : Mr. Shyam Gupta  
**Test Report No.** : A2007025 **Group:-** Miscellaneous  
**Report Issue Date** : 20.07.2020  
**Date of Receipt of Sample** : 02.07.2020  
**Brand** : Aton Solar  
**Size** : N.A.  
**Code** : N.A.  
**Protection Level** : N.A.  
**Sample Description** : Mobile Solar Box 500W  
**Model No.** : MSB005  
**Job Start Date** : 03.07.2020  
**Job Completion date** : 04.07.2020  
**Specification** : JSS 55555  
**Sampling Plan & Method** : N.A.  
**Total Pages** : 03

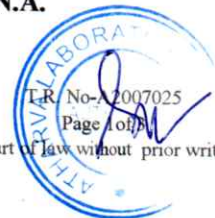
**Laboratory Environment Condition:** 27 ± 2°C

**Relative Humidity:** RH 65 ± 5%

**Addition, Deviation Or Exclusion From The Test Method:** N.A.

**Statement of Conformity and Decision Rule (In Case of Borderline Test Result):** N.A.

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## TEST REPORT

**Discipline: Mechanical**

**Group: Miscellaneous**

**Test Name: Damp Heat**

**Test condition :**

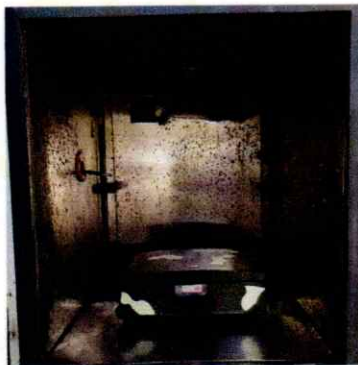
Parameters	Value
Exposure Temperature	40±2°C
Exposure Humidity	95%
Total Exposure Duration	16 hours

### Test Images

**Sample before test:**



**Sample during test:**



**Chamber**

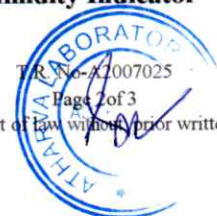


**Digital temp. Indicator**



**Digital humidity Indicator**

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## TEST REPORT


### Sample After test:

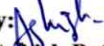


**Observation:** No any visual damage or abnormalities observed after completion the test.

### Apparatus used:

Sl. No.	Nomenclature	Make	Calibration date	Calibration valid
01	Environment Chamber	Ballice	25.10.2019	26.09.2020

Checked By:   
 Name: Mr. Bhupesh Rohilla  
 Designation: Head of the Department

Reviewed By:   
 Name: Mr. Ashish Pathak  
 Designation: Quality Manager  
 -----  
 End of the Test Report

Authorized By:   
 Name: Mr. Snehish Nandi  
 Designation: Technical Manager



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## TEST REPORT

**Customer Name** : Aton Rural Development Pvt. Ltd.

**Customer Address** : D-11/28, UPSIDC Site-5, kasna, Greater Noida.

**Contact Person** : Mr. Shyam Gupta

**Test Report No.** : A2007025 **Group:-** Miscellaneous

**Report Issue Date** : 20.07.2020

**Date of Receipt of Sample** : 02.07.2020

**Brand** : Aton Solar

**Size** : N.A.

**Code** : N.A.

**Protection Level** : N.A.

**Sample Description** : Mobile Solar Box 500W

**Model No.** : MSB005

**Job Start Date** : 11.07.2020

**Job Completion date** : 12.07.2020

**Specification** : JSS 55555

**Sampling Plan & Method** : N.A.

**Total Pages** : 03

**Laboratory Environment Condition:** 27 ± 2°C

**Relative Humidity:** RH 65 ± 5%

**Addition, Deviation Or Exclusion From The Test Method:** N.A.

**Statement of Conformity and Decision Rule (In Case of Borderline Test Result):** N.A.

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## TEST REPORT

**Discipline: Mechanical**

**Group: Miscellaneous**

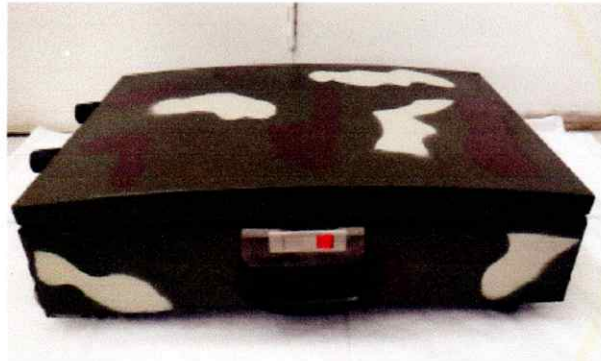
**Test Name: Bump Test**

**Test condition :**

Parameters	Value
Peak acceleration	400m/s <sup>2</sup>
Pulse duration	16ms
Total no. of bumps	4000±10

### Test Images

**Sample before test:**



**Sample during test:**

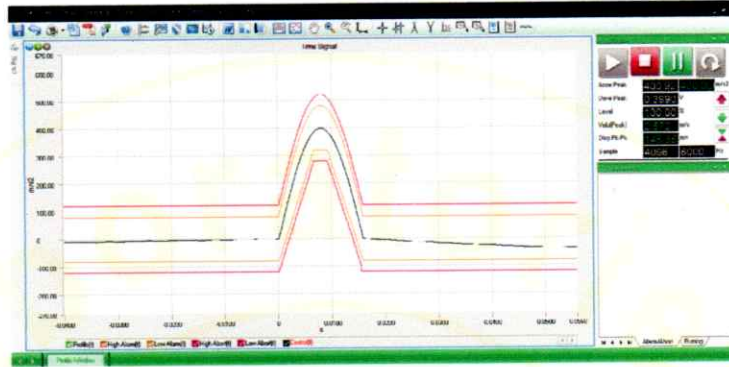


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**Graph:**



**Sample After test:**



**Observation:** No any visual damage or abnormalities observed after completion the test.

**Apparatus used:**

Sl. No.	Nomenclature	Make	Calibration date	Calibration valid
01	Vibration Shaker	Tarang Kinetics	02.03.2020	02.03.2021

Checked By: *[Signature]*  
 Name: Mr. Bhupesh Rohilla  
 Designation: Head of the Department

Reviewed By: *[Signature]*  
 Name: Mr. Ashish Pathak  
 Designation: Quality Manager

Authorized By: *[Signature]*  
 Name: Mr. Snehsish Nandi  
 Designation: Technical Manager

-----End of the Test Report-----

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