TEST REPORT AS PER: IS/IEC 60529: 2001 (Reaffirmed Year: 2019)

IP67 as per **IS/IEC 60529: 2001** (Reaffirmed Year: 2019)

Name & Address of Customer:	**Test Report No: ATLTR20240405-001**		**Date of issue: 09-04-2024**
UPSALA DEFSOL AND IT SERVICES PRIVATE LIMITED Office: A-213, SHANTI GOPAL CHAMBER NO – 312& 313, SHAKARPUR, SHAHDARA DELHI - 110092	**Discipline: Electrical**		**Group: Environmental Test Facility**
	ULR - TC877824000000244F		
	Date of Sample Receipt: 05-04-2024	**Start of Test Date: 05-04-2024**	**End of Test Date: 09-04-2024**

PART A - PARTICULARS OF THE SAMPLE SUBMITTED

Sample description	Elena NavIC Handheld Navigator Model: ELNHHNV3A
Grade/ variety/ type/ class/ size etc.	Input Rating: 5Vdc
Declared values, if any	IP67 as per IS/IEC 60529 : 2001 (Reaffirmed Year : 2019)
Batch no., date of manufacture and Brand Name	Brand / Trademark: **"Elena Geo"**
Quantity	1 No.
Condition of the sample	Good Condition
Environmental conditions	Temperature : 15°C to 35°C Relative humidity : 25 % to 75%
Location	Permanently
Additional Information	For photograph of the Equipment refer on Page No. 3
Remark	*In this report a statement of conformity is not applicable , The test result is reported same as actual*

PART B - SUPPLEMENTARY INFORMATION

a) Deviations from the test methods as per relevant specification/ standard operating procedure, if any: Nil.

b)Details of the drawings, graphs, tables, sketches or Photographs as referred in the test report, if any: Nil.

Notes:

i) This report is not to be reproduced wholly or in part without our special permission in writing.

ii) This report refers only to the particular sample detailed above.

iii) The results reported in this certificate are valid at the time of and under the stipulated conditions of measurement.

Tested by	**Reviewed & Approved by**	**Authorized signatory**
		ACE TEST LAB Authorised Signatory
Amit Sharma (Sr. Testing Engineer)	**Mohd Ahmad Baig (Technical Manager)**	**Mohd Ahmad Baig (Technical Manager)**
Date: 09-04-2024	**Date: 09-04-2024**	**Date: 09-04-2024**

PART B. TEST RESULTS:

S. No	Cl. No.	Test / Requirement	Test result/ observation	Verdict
1	12	**Tests for protection against access to hazardous parts indicated by the first characteristic numeral.**	See below	P
	12.1	Test conditions for first characteristic numerals 6.	See below	P
		The access probe of 1,0mm Ø shall not penetrate	Complies	P
	12.2	Acceptance conditions for first characteristic numerals 6.	See below	P
		The protection is satisfactory if adequate clearance is kept between the access probe and hazardous parts.	Complies	P
2	13	**Tests for protection against solid foreign objects indicated by the first characteristic numeral**	See below	P
	13.4	Dust test for first characteristic numerals 6	See below	P
		The talcum powder used shall be able to pass through a square-meshed sieve the nominal wire diameter of which is 50µm and the nominal width of a gap between wires 75 µm. The amount of talcum powder to be used is 2 kg per cubic meter of the test chamber volume.	Complies	P
	13.6	Acceptance conditions for first characteristic numerals 6.	See below	P
		The protection is satisfactory if no deposition of dust is observable inside the enclosure at the end of the test.	No deposition of dust observed inside the enclosure.	P
3	14	**Test for protection against water indicated by the second characteristic numeral**	See below	**P**
	14.2	Test conditions for Second characteristic numerals 7	See below	P
	14.2.7	The test is made by completely immersing the enclosure in water in its service position so that the following conditions are satisfied:	See below	P
		The lowest point of enclosures with a height less than 850mm is located 1000mm below the surface of the water for 30 min.	Complies	P
		The highest point of the enclosures with a height equal to or greater than 850mm is located 150mm below the surface of the water for 30 min.	No such Equipment	N/A
		The water temperature does not differ from that of the equipment by more than 5K.	Complies	P

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S.No	Cl. No.	Test / Requirement	Test result/ observation	Verdict
3	14.3	**Acceptance conditions for second characteristic numerals 7**	See below	P
		Enclosure inspected for ingress of water	No accumulation of water observed inside the enclosure	P
		In general, if any water has entered, it shall not	See above	N/A
		be sufficient to interfere with the correct operation of the equipment or impair safety	See above	N/A
		Deposit on insulation parts where it could lead to tracking along the Creepage distances	See above	N/A
		Reach live parts or windings not designed to operate when wet	See above	N/A
		Accumulate near the cable end or enter the cable if any	See above	N/A

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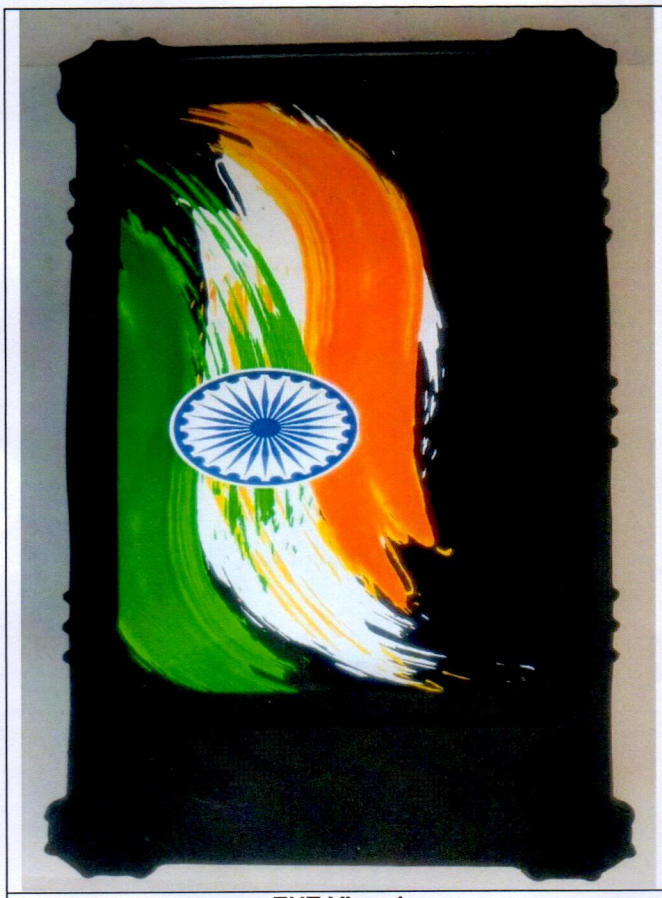
Attachment -1:
Photograph



EUT View 1

EUT View 2

Abbreviations: - 1. P = PASS.
2. F = FAIL.
3. N/A = NOT APPLICABLE.
4. --- = No compliance required

Conclusion: Sample complies with IP67 requirements as per IS/IEC 60529: 2001 (RA 2019).

Tested by	Reviewed & Approved by	Authorized signatory
Amit Sharma (Sr. Testing Engineer)	Mohd Ahmad Baig (Technical Manager)	Mohd Ahmad Baig (Technical Manager)
Date: 09-04-2024	Date: 09-04-2024	Date: 09-04-2024

---END OF TEST REPORT---