TC-13518

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A BUREAU VERITAS COMPANY

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TEST REPORT

TEST REPORT AS PER: IS 13369:1992+ A1: 2000+ A2: 2003+ A3: 2014 **SRF No.: 26010866**

Name & Contact Information of Customer:	ULR- TC1351826000000088F Discipline: Electrical Testing Group: Cells and Batteries Test Report No: HPLI/Test/2601086601 Date of Issue: 28/01/2026 Test Performed: At Lab		
Laurus Batteries Power System Pvt. Ltd. Plot No. 11, Emerald Industrial Estate, Village:Dheku, Tal:Khalapur, Dist: Raigad 410203 Maharashtra. Contact Person: Mr. K. B. Chinchane Contact No : 9820711015	Customer Ref. & Date: 22/01/2026		
	Date of Sample Receipt: 22/01/2026	Start of Test Date: 23/01/2026	End of Test Date: 23/01/2026

PART A - PARTICULARS OF THE SAMPLE SUBMITTED

Sample description	Name: -LMLA (Low Maintenance Lead Acid Battery)
Grade/ variety/ type/ class/ size etc.	Size: (L x W x H): (515 x 198 x 440) mm
Declared values, if any	Rated Current (A): 15Amp, Rated Voltage (V): 12Volt, Rated Capacity (Ah): 150Ah, End of Discharge Voltage: 10.8 Volts
Code no., BIS seal and IO's sign. if any	Nil.
Batch no., date of manufacture and Brand name	Brand and Trademark Name: "Laurus " Model No.: LBPSGG25L0003
Quantity	1 No.
Condition of the sample	Ok
Reference specification (s)	IS 13369:1992+ A1: 2000+ A2: 2003+ A3: 2014
Environmental conditions	Temperature: (20- 35) °C & Relative humidity<90%
Statement of Conformity	Product passing the requirements of reference standard IS 13369:1992+ A1: 2000+ A2: 2003+ A3: 2014
Decision Rule	Measured Values Including Associated Measurement Uncertainty

PART B - SUPPLEMENTARY INFORMATION

a) Deviations from the test methods as per relevant specification/ work instructions, if any: Nil
b) Details of the drawings, graphs, tables, sketches or photographs as referred in the test report, if any: Photograph Attached
c) Testing procedure according to work instruction. HPLI03/Test-Solar/WI-01
d) The Management System is maintained in accordance with ISO/IEC 17025:2017 and testing Standards/Instruments are traceable to National/ International Standards.

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.
iv) Remnants of the sample will be disposed off after 30 days of issue of test report, if no any further information is received.

Tested by (Sr. Testing Engineer)	Checked by (Deputy Dechnical Manager)	Approved by (Manager-Testing)	Issued by (Assistant Manager)
TEJAS ANIL KAHANE Digitally signed by TEJAS ANIL KAHANE Date: 2026.01.28 15:49:20 +05'30'	PANKAJ MISHRA Digitally signed by PANKAJ MISHRA Date: 2026.01.28 15:50:12 +05'30'	SANTOSH KUMAR Digitally signed by SANTOSH KUMAR Date: 2026.01.28 15:59:22 +05'30'	NIKHIL NILKANTH NEMADE Digitally signed by NIKHIL NILKANTH NEMADE Date: 2026.01.28 16:01:06 +05'30'

Format No. HPLI 04 F31-00

Note: This document is digitally signed and does not required the signature on each page.

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Test Report No.: HPLI/Test/2601086601
IS 13369:1992

PART C- TEST RESULT

Sl. No.	TESTS WITH CLAUSE REFERENCE	SPECIFIED REQUIREMENTS		RESULTS	Verdict
1.	Test of Capacity (Cl.11.5 of IS 13369:1992)	11.5	Test for Capacity	See below	Pass
		11.5.1	After standing on open circuit for not less than 12 hours and not more than 24 hours,	Complies (15h stand for OCV)	
			Discharged through a suitable variable resistance at a constant current of I = 0.1 Cl0	15A	
			The discharge shall, be stopped when the closed-circuit voltage across the battery terminal falls to 10.8V for 12V battery.	After reached 10.8Vdc battery cut from supply	
			If however, a test discharge cannot be conducted within the specified rest period due to any exigencies, a freshening charge maybe given to the cell/battery at the finishing rate of charge recommended by the manufacturer for a period of 1 hour after every 24 hours or part thereof, of extended rest period. The capacity test, however, can be started after a minimum period of two hours elapsing after	See above	
		11.5.2	The time in hours elapsing between the beginning and the end of discharge shall be taken as the period of discharge.	Time: 11: 04: 20 Hrs: Min: Sec	
		11.5.3	The average temperature (t^{o} C) of the electrolyte during discharge shall be the average of the temperatures of the electrolyte noted at hourly intervals.	Complies	
		11.5.4	Unless otherwise agreed, capacity test as described above, and conducted immediately after the first charge of the battery is normally to be treated as the test discharge for the purpose of acceptance of the battery. On the first discharge the battery shall give not less than 85 percent of the rated capacity and the rated capacity shall be reached within specified number of charge/ discharge cycles given by the supplier subject to maximum of 10 discharges subsequent to the initial charge. Once the rated capacity has been met on any discharge/further discharge cycles for capacity shall not be continued.	Capacities above 85% achieved in first discharge cycle	

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PART C- TEST RESULT

Sl. No.	TESTS WITH CLAUSE REFERENCE	SPECIFIED REQUIREMENTS		RESULTS	Verdict
		11.5.5	For the purpose of acceptance test, the test for capacity may, by agreement between the purchaser and the supplier, be carried out at a rate other than the 10 h rate. In such case, either 3h or 6h rate is recommended at discharge rates corresponds to table3 to specified final Voltage.	No such requirement	Pass
		11.5.6	Correction for the variation of capacity with temperature shall be made in accordance with 11.5. The measured temperature shall be as specified in 11.5.3.	Complies	
		11.5.7	Requirement	See below	
		11.5.7.1	The actual capacity shall not be less than the rated capacity and the test is carried out as given in table 3 (Rated Capacity: 150Ah)	Satisfactory Capacity: 166.063Ah 110.71%	
		11.5.7.2	For the acceptance test when the test is carried out at a rate other than the 10 h rate, the actual capacity shall be not less than the corresponding rated capacity.	Tested according to C10	
		11.5.7.3	The measured capacity shall not be more than 130 percent of the rated capacity corrected to 27° C as specified in 10.5.	Complies	

Photograph of sample

---------END OF THE TEST REPORT---------