

**TEST REPORT**

1.0	Service Request / Job No:	SRF No	
2.0	Test Requested By: (Organization Name & Address)	M/S Sparco Batteries Pvt.Ltd. Killa No:22, Khashra No: 23/1/2 Village Nathupur. Sonipat.	
3.0	Description of Unit Under test (UUT):	Description:	TUBULAR
		Rating:	12V/100AH
		Model No:	AL-100
		Serial No:	
4.0	Date of Receipt of Sample: (start date)		
	Date of Completion of test		
5.0	Condition of UUT on receipt:	Dry Charge Battery	
	No. Of sample Tested:	4	
6.0	Test Site:	On site	
	Environment Conditions:	39°C	
	Temperature: 25°C+5% Humidity 40 to 95% RH	82%	
7.0	Applicable Standards / Specifications:	Test Method:	IEC 60896

Major Measuring Instrument and Traceability:

S.No	Description	Make/Model	S.No. of Instrument	Calibration validity	Calibration Agency
1	Discharger	ADOS/12V-35Amp	131014-1		
2	Charger	ADOS/12/24V-20Amp	D600202K-1		
3	Digital Multi Meter	Mastech/MS2 101	994995570		
4	Digital Clamp Meter	Mastech/MS2 101	994995570		
5	High rate discharge unit	ADOS/12V-1500Amp	160117		



Test Report No:	Description: 12V/100AH TUBULAR Battery	Serial No:
		Model: AL 100

Test Result:

S.no	Specification Requirement	Serial Number					
Test Description		32	33	34	35	36	37

01	(a)	<b>Content and of required markings</b> Cell or battery shall be clearly and permanently marked with required information.	Readable	Readable	Readable	Readable	Readable	Readable												
	(b)	/ Information shall remain readable after exposure to chemicals and remain in place.																		
02	(a)	<b>Material Identification</b> The plastic materials used for the units are clearly identified with the ISO 1043-1 material symbol and legible throughout the service life.	Ok	Ok	OK	OK	OK	OK												
03	(a)	<b>Discharge capacity</b> The actual capacity shall be greater than or equal to 95% of the rated capacity. C of the 6 units tested with the following rates to the following end voltage. <table><tr><th>Capacity</th><th>Rate</th><th>End voltage</th></tr><tr><td>C10</td><td>10 h</td><td>1.80 Vpc</td></tr><tr><td>C8</td><td>8 h</td><td>1.75 Vpc</td></tr><tr><td>C3</td><td>3 h</td><td>1.70 Vpc</td></tr></table>	Capacity	Rate	End voltage	C10	10 h	1.80 Vpc	C8	8 h	1.75 Vpc	C3	3 h	1.70 Vpc						
Capacity	Rate	End voltage																		
C10	10 h	1.80 Vpc																		
C8	8 h	1.75 Vpc																		
C3	3 h	1.70 Vpc																		
04	(a)	<b>Charge retention during storage.</b> The charge retention factor, C of the 6 unit tested, shall be greater than or equal to 70%.	72%	71%	74%	72%	71%	73%												

Tested By:  
(Quality Engineer)

Authorized By:  
(Technical Head)



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	TUBULAR Battery	Model:AL 100

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05	<b>Recharge Behaviour</b> The recharge behaviour factor <b>Rbf</b> , after 24h of charge shall be greater than or equal to 90%. The recharge behaviour factor, <b>Rbf</b> , after 168h of charge shall be greater than or equal to 98%.	96%	96%	98%	98%	97%	98%
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Tested By:  
(Quality Engineer)

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(Technical Head)