Sparco DS Global LLP

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/180AH	
		Model No:	AL-180	
		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: Temperature: 25'C+-5% Humidity 40 to 95% RH	39°C 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/MS2101	994995570		
4	Digital Clamp Meter	Mastech/MS2101	994995570		
5	High rate discharge unit	ADOS/12V-1500Amp	160117		

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Test Report No:	Description: 12V/180AH TUBULAR Battery	Serial No:
		Model: AL 180

Test Result:

S.no		Specification Requirement	Serial Number					
Test Description			**32**	**33**	**34**	**35**	**36**	**37**
01	(a) (b)	**Content and of required markings** Cell or battery shall be clearly and permanently marked with required information. / Information shall remain readable after exposure to chemicals and remain in place.	Readable	Readable	Readable	Readable	Readable	Readable
02	(a)	**Material Identification** 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)	**Discharge capacity** The actual capacity**C**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.						
04	(a)	**Charge retention during storage.** The charge retention factor,C of the 6 unitstested, shall be greater than or equal to 70%.	72%	71%	74%	72%	71%	73%

Capacity	Rate	End voltage
C10	10 h	1.80 Vpc
C8	8 h	1.75 Vpc
C3	3 h	1.70 Vpc

Tested By:
(Quality Engineer)

Authorized By:
(Technical Head)

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S.no		Specification Requirement	Serial Number					
Test Description			**32**	**33**	**34**	**35**	**36**	**37**
05		**Recharge Behaviour** The recharge behaviour factor **R**bf, after 24h of charge shall be greater than or equal to 90%. The recharge behaviour factor, **R**bf, after 168h of charge shall be greater than or equal to 98%.	96%	96%	98%	98%	97%	98%

Tested By:
(Quality Engineer)

Authorized By:
(Technical Head)