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:	Automotive Battery
		Rating:	12V/70AH
		Model No:	N 70
		Standard:	JIS: D5301-2006
8.0	Type of Test:	1.Battery Measurement L*W*H (9.4.1/b) 2.Activation of Dry Charged Battery (9.3) 3. Charging (9.4.2/a) 4. Capacity Test (9.5.2/a). 5 CCA(9.5.3) 6 Polarity or Marking (12/a/2**)**	

Test Report No:	Description: 12V/70AH Automotive Battery	Serial No: Model:N70

Test Result:

S.no	Clause	Specification Requirement		
Test Description	**32**	**33**	**34**	**35**
01 9.4.1/b Battery Measurement L*W*H				
02 9.3 **Activation of Dry Charged Battery** The Dry charge battery shall be filled with the appropriate to the maximum level indicated by internal or external marks of the battery or in accordance with the manufacturer's instructions.	3min 01sec	3min 02sec	3min 04sec	3min 04sec
03 9.4.2/a **Charging** Constant Current Charging Method1. The battery is charged with 5h rated current I_5 until the terminal voltage or the electrolyte density converted to temperature shows a constant value three times consecutively on every 15 min measurement.	Achieve	Achieve	Achieve	Achieve
04 9.5.2/a **Capacity Test** **Reserve Capacity Test** The battery shall be discharged with current of 25A±1% until the voltage falls to 10.50V±.05V	128 min	130 min		

Tested By:
(Quality Engineer)

Authorized By:
(Technical Head)

5	9.5.3	**Cranking Performance Test (CCA)** After the completion of charging approximately between 1h to 5h lapse, the battery shall be placed in a cooling chamber at a temperature of -18°C ± 1°C for a minimum of 24 h or until the temperature of the electrolyte of either cell in the centre position has reached -18°C ± 1°C. The battery shall then be discharge with in 2 min after the cooling with nominal cold cranking current for 30 s. The terminal voltage after 30 s from the start of discharging shall be recorded. After the cold cranking ampere test, the battery is left for 20s ± 1s. The duration of discharging is recorded when the battery is discharged with the discharging current of .6 **Icc* until the voltage falls to 6Volt.	390	390		
06	12	The following information shall be adequately designated on each battery. a) Type designation. b) Nominal voltage (12V) c) Rated capacity (RC) d) Supplier's name and / or trade mark e) Year and month of manufacture or abbreviation	Battery are maked with Automotive Battery 12V RC 120min Sparco Batteries Pvt.Ltd. Abbreviation	Battery are maked with Automotive Battery 12V RC120min Sparco Batteries Pvt. Ltd. Abbreviation	Battery are maked with Automotive Battery 12V RC120min Sparco Batteries Pvt. Ltd. Abbreviation	Battery are maked with Automotive Battery 12V RC 120 min Sparco Batteries Pvt. Ltd. Abbreviation
07	12/a/2	Battery shall carry making of polarity of both terminals by the plus symbol (+) and minus (-) on the lid adjacent to the terminals	Plus Symbol (+) Minus (-)	Plus Symbol (+) Minus (-)	Plus Symbol (+) Minus (-)	Plus Symbol (+) Minus (-)

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