National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PRODUCT TESTING LABORATORY, EXIDE INDUSTRIES LIMITED, EXIDE INDUSTRIES LIMITED, SURVEY NO. 246, CHICHURAKANAPALLI, SEVAKANAPALLI PANCHAYATH, HOSUR TALUK, HOSUR, KRISHNAGIRI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7013 **Page No** 1 of 2

Validity 14/06/2021 to 13/06/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	ELECTRICAL- CELLS & BATTERIES	AGM Separators	Acid retention capability test on separators	IS 15549:2005
2	ELECTRICAL- CELLS & BATTERIES	AGM Separators	Wicking test on separators	IS 15549:2005
3	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	Discharge Capacity (C10, C8, C3, C1, C0.25)	IEC 60896-21 & 22:2004
4	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	Gas emission	IEC 60896-21 & 22:2004
5	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	Short circuit current and d.c. internal Resistance	IEC 60896-21 & 22:2004
6	ELECTRICAL- CELLS & BATTERIES	Lead acid batteries	Ampere hour and watt hour efficiency	IS 15549:2005
7	ELECTRICAL- CELLS & BATTERIES	Lead acid batteries	C1 capacity	IS 15549:2005
8	ELECTRICAL- CELLS & BATTERIES	Lead acid batteries	C10 Capacity	IS 15549:2005
9	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	Capacity - C1	JIS C 8702-1:2009
10	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	Capacity - C20	JIS C 8702-1:2009
11	ELECTRICAL- CELLS & BATTERIES	Lead acid Batteries	Capacity at other discharge rates (C20 test)	IS 15549:2005
12	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	Charge acceptance characteristics after deep discharge	JIS C 8702-1:2009
13	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	Charge retention during storage	IEC 60896-21 & 22:2004
14	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	Cycle service endurance	JIS C 8702-1:2009
15	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	Endurance in trickle application	JIS C 8702-1:2009
16	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	Endurance in trickle application at 40 deg c	JIS C 8702-1:2009
17	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	Endurance life cycle test	IS 15549:2005
18	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	Flammability rating of materials	IEC 60896-21 & 22:2004

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19	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	Float service with daily discharges	IEC 60896-21 & 22:2004
20	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	Gas emission intensity test	JIS C 8702-1:2009
21	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	High rate discharge characteristics	JIS C 8702-1:2009
22	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	Intercell connector performance	IEC 60896-21 & 22:2004
23	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	Maximum permissible current characteristics	JIS C 8702-1:2009
24	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	Recharge behaviour	IEC 60896-21 & 22:2004
25	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	Shock resistance characteristics	JIS C 8702-1:2009
26	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	Stability against mechanical abuse of units during installation	IEC 60896-21 & 22:2004
27	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	Storage Characteristics	JIS C 8702-1:2009
28	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	Test for C3 capacity and voltage during discharge	IS 15549:2005
29	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	Test for C5 capacity and voltage during discharge	IS 15549:2005
30	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	Test for Oxygen recombination efficiency	IS 15549:2005
31	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	Test for Retention of charge	IS 15549:2005
32	ELECTRICAL- CELLS & BATTERIES	Lead acid batteries	Verification of dimension	IS 15549:2005
33	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries	Visual Examination of batteries	IS 15549:2005
34	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries / Steel Racks	Content and durability of required markings	IEC 60896-21 & 22:2004
35	ELECTRICAL- CELLS & BATTERIES	Lead Acid Batteries / Steel Racks	Material identification	IEC 60896-21 & 22:2004