CERTIFICATE OF ACCREDITATION

This is to attest

EMIRATES SAFETY LABORATORY

240 AL AWIR ROAD, WARSAN 3, MUSHRAIF
DUBAI, UNITED ARAB EMIRATES

Testing Laboratory TL-1038

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories.* This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date June 29, 2025

IAS ACCREDITED

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SCOPE OF ACCREDITATION

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EMIRATES SAFETY LABORATORY

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Accredited to ISO/IEC 17025:2017 *Effective Date June 29, 2025*

Fire Suppression	
AIS-135	Automotive Industry Standard. Fire Detection and Alarm System (FDAS) & Fire Detection and Suppression Systems (FDSS) for Buses – Requirements (Government of India) - Part II only.
SASO-2946	Saudi Standards, Metrology and Quality Organization (SASO) Technical Regulation: Buses Requirements of Construction. Annex 8. Fire suppression system.
SP Method 4912	Testing of fire suppression system intended for use in compartment with combustion engine
UAE Cabinet Resolution No 20 of 2021	UAE Cabinet resolution No (20) of 2021 regarding the technical regulation for the requirements of Fire Suppression Systems Intended for engine compartments of buses and coaches
UAE.S 5041	Fire suppression Systems intended for engine compartments of buses and coaches
UN Regulation No. 107 Annex 13	Uniform provisions concerning the approval of category M2 or M3 vehicles with regard to their general construction. Annex 13
Fire Integrity of Electric Cables	
BS 8434-2	Methods of test for assessment of the fire integrity of electric cables. Test for unprotected small cables for use in emergency circuits. BS EN 50200 with a 930° flame and with water spray
EN 50200	Method of test for resistance to fire of unprotected small cables for use in emergency circuits
IEC 60331-1	Tests for electric cables under fire conditions. Circuit integrity. Test method for fire with shock at a temperature of at least 830°C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter exceeding 20 mm
IEC 60331-2	Tests for electric cables under fire conditions. Circuit integrity. Test method for fire with shock at a temperature of at least 830°C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter not exceeding 20mm
Fire Propagation	
NFPA-285	Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components.

Fire Pumps	
NFPA 20	Standard for the Installation of Stationary Pumps for Fire Protection (Chapter 14 with test criteria from chapters 6, 7 and 8)
UL 448	UL 448 Standard for Centrifugal Stationary Pumps for Fire-Protection Service (Cl. 25, 26, 27, & 28)
Fire Resistance	
AS 1530.4	Methods for fire tests on building materials, components and structures, Part 4: Fire-resistance tests for elements of construction
ASFP TGD 19	Fire resistance test for 'open-state' cavity barriers used in the external envelope or fabric of buildings
ASTM E119	Standard Test Methods for Fire Tests of Building Construction and Materials
ASTM E814	Standard Test Method for Fire Tests of Penetration Firestop Systems
ASTM E2226	Standard Practice for Application of Hose Stream
ASTM E2307	Standard Test Method for Determining Fire Resistance of Perimeter Fire Barriers Using Intermediate-Scale, Multi-story Test Apparatus
ASTM E2336	Standard Test Methods for Fire Resistive Grease Duct Enclosure Systems – Cl. 13 Internal Fire Test and Cl. 14 Fire Engulfment Test
BS 476-20	Fire tests on building materials and structures — Part 20: Method for determination of the fire resistance of elements of construction (general principles)
BS 476-21	Fire tests on building materials and structures – Part 21: Methods for determination of the fire resistance of loadbearing elements of construction”
BS 476-22	Fire tests on building materials and structures — Part 22: Methods for determination of the fire resistance of non-loadbearing elements of construction
BS 476-24	Fire tests on building materials and structures Method for determination of the fire resistance of ventilation ducts
EN 1363-1	Fire resistance tests - Part 1: General requirements
EN 1363-2	Fire resistance tests - Part 2: Alternative and additional procedures.
EN 1364-1	Fire resistance tests for non-loadbearing elements - Part 1: Walls
EN 1364-2	Fire resistance tests for non-loadbearing elements - Part 2: Ceilings
EN 1364-3	Fire resistance tests for non-loadbearing elements - Part 3: Curtain walling - Full configuration (complete assembly)
EN 1364-4	Fire resistance tests for non-loadbearing elements - Part 4: Curtain walling - Part configuration

EN 1364-5	Fire resistance tests for non-loadbearing elements - Part 5: Air transfer grilles
EN 1365-1	Fire resistance tests for loadbearing elements - Part 1: Walls
EN 1365-2	Fire resistance tests for loadbearing elements - Part 2: Floors and roofs
EN 1365-3	Fire resistance tests for loadbearing elements - Part 3: Beams
EN 1365-4	Fire resistance tests for loadbearing elements - Part 4: Columns
EN 1366-1	Fire resistance tests for service installations. Part 1: Ventilation ducts
EN 1366-2	Fire resistance tests for service installations - Part 2: Fire dampers
EN 1366-3	Fire resistance tests for service installations - Part 3: Penetration seals
EN 1366-4	Fire resistance tests for service installations - Part 4: Linear joint seals
EN 1366-6	Fire resistance tests for service installations - Part 6: Raised access and hollow core floors
EN 1366-8	Fire resistance tests for service installations – Part 8: Smoke extraction ducts
EN 1366-9	Fire resistance tests for service installations – Part 9: Single compartment smoke extraction ducts
EN 1366-10	Fire resistance tests for service installations – Part 10: Smoke control dampers
EN 1634-1	Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware - Part 1: Fire resistance test for door and shutter assemblies and openable windows
EN 1634-2	Fire resistance and smoke control tests for door, shutter and openable window assemblies and elements of building hardware - Part 2: Fire resistance characterisation test for elements of building hardware.
EN 12101-2	Smoke and heat control systems. Part 2: Natural smoke and heat exhaust ventilators. Annex G – Resistance to Heat
EN 12101-3	Smoke and heat control systems – Part 3: Specification for powered smoke and heat control ventilators (Fans). Fire tests only
EN 13381-4	Test methods for determining the contribution to the fire resistance of structural members - Part 4: Applied passive protection to steel members
EN 13381-4 with EN 1363-2	Test methods for determining the contribution to the fire resistance of structural members - Part 4: Applied passive protection to steel members with hydrocarbon curve as per EN 1363-2
EN 13381-8	Test methods for determining the contribution to the fire resistance of structural members - Part 8: Applied reactive protection to steel members

EN 13381-8 with EN 1363-2	Test methods for determining the contribution to the fire resistance of structural members - Part 8: Applied reactive protection to steel members with hydrocarbon curve as per EN 1363-2
EN 13501-2	Fire classification of construction products and building elements - Part 2: Classification using data from fire resistance tests, excluding ventilation services
EN 13501-3	Fire classification of construction products and building elements - Part 3: Classification using data from fire resistance tests on products and elements used in building service installations: fire resisting ducts and fire dampers
EN 13501-4	Fire classification of construction products and building elements - Classification using data from fire resistance tests on components of smoke control systems
EN 15254-2	Extended application of results from fire resistance tests - Non-loadbearing walls — Part 2: Masonry and Gypsum Blocks
EN 15254-3	Extended application of results from fire resistance tests - Non-loadbearing walls - Part 3: Lightweight partitions
EN 15254-4	Extended application of results from fire resistance tests — Non-loadbearing walls — Part 4: Glazed constructions
EN 15254-5	Extended application of results from fire resistance tests - Non-loadbearing walls - Part 5: Metal sandwich panel construction
EN 15254-6	Extended application of results from fire resistance tests — Non-loadbearing walls — Part 6: Curtain walling
EN 15254-7	Extended application of results from fire resistance tests — Non-loadbearing ceilings — Part 7: Metal sandwich panel construction
EN 15269-1	Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware. General requirements
EN 15269-2	Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware. Fire resistance of hinged and pivoted steel doorsets
EN 15269-3	Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware. Fire resistance of hinged and pivoted timber doorsets and openable timber framed windows
EN 15269-5	Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware. Fire resistance of hinged and pivoted metal framed glazed doorsets and openable windows

EN 15269-7	Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware. Fire resistance for steel sliding doorsets
EN 15269-10	Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies including their elements of building hardware. Fire resistance of steel rolling shutter assemblies
EN15269-11	Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware. Fire resistance for operable fabric curtains
EN 15882-1	Extended application of results from fire resistance tests for service installations - Part 1: Ducts
EN 15882-2	Extended application of results from fire resistance tests for service installations – Part 2: Fire dampers
IS 3614	Fire doors and Doorsets - specification
IS 16945	Fire resistance test for Glass Walls
IS 16947	Fire resistance tests for doors with glass panes, openable glass windows with glass panes, and sliding glass doors
IS 17518 (Part 1) / ISO – 3008-1	Fire Resistance Tests – Door and Shutter Assemblies: Part 1 General Requirements
IS/ISO 834-1	Fire-resistance tests — Elements of building construction — Part 1: General requirements
IS/ISO 834-2	Fire-resistance tests — Elements of building construction — Part 2: Requirements and recommendations for measuring furnace exposure on test samples
IS/ISO 834-4	Fire-resistance tests – Elements of building construction – Part 4: specific requirements for load bearing vertical separating elements
IS/ISO 834-5	Fire-resistance tests – Elements of building construction – Part 5: specific requirements for load bearing horizontal separating elements
IS/ISO 834-6	Fire-resistance tests – Elements of building construction – Part 6: specific requirements for beams
IS/ISO 834-7	Fire-resistance tests – Elements of building construction – Part 7: specific requirements for columns
IS/ISO 834-8	Fire-resistance tests – Elements of building construction – Part 8: Specific requirements for non-loadbearing vertical separating elements
IS/ISO 834-9	Fire-resistance tests – Elements of building construction – Part 8: Specific requirements for non-load bearing ceiling elements

MSC.307(88), Annex 1, Part 3	Resolution MSC.307(88), International Code for Application of Fire Test Procedures, 2010 (2010 FTP Code), Annex 1, Part 3 - Test for "A," "B" and "F" class divisions
MSC.307(88), Annex 1, Part 3	Resolution MSC.307(88), International Code for Application of Fire Test Procedures, 2010 (2010 FTP Code), Annex 1, Part 3 - Test for "A," "B" and "F" class divisions using ISO 1363-2 heat curve.
MSC.307(88), Annex 1, Part 11	Resolution MSC.307(88), International Code for Application of Fire Test Procedures, 2010 (2010 FTP Code), Annex 1, Part 11 - Test for fire-resisting divisions of high-speed craft
NFPA 288	Standard Methods of Fire Tests of Horizontal Fire Door Assemblies Installed in Horizontal Fire Resistance-Rated Assemblies
UL 10B	Standard for Fire Tests of Door Assemblies
UL 10C	Positive Pressure Fire Tests of Door Assemblies
UL 263	Fire Tests of Building Construction and Materials
UL 555	Standard for Safety: Fire Dampers (excluding clauses 11, 12, 13 &14)
UL 1479	Fire Tests of Penetration Firestops (Clauses 5 & 6 only)
UL 2079	Tests for Fire Resistance of Building Joint Systems | Cl. 5-10 for Fire Endurance Test (cl. 11-17) and Hose Stream Test (cl. 18-19)
Reaction to Fire	
ASTM D1929	Determining Ignition Temperature of Plastics
ASTM E108	Standard Test Methods for Fire Tests of Roof Coverings
ASTM E648	Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source
ASTM E1354	Standard Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter
CEN TS 1187	Test Method 4. Test methods for external fire exposure to roofs
EN 13501-1	Fire classification of construction products and building elements. Classification using data from reaction to fire tests
EN 13501-5	Fire classification of construction products and building elements Part 5: Classification using data from external fire exposure to roofs tests
EN 13823	Reaction to fire tests for building products – Building products excluding floorings exposed to the thermal attack by a single burning item
EN ISO 1182	Reaction to fire tests for products – Non-combustibility test

EN ISO 1716	Reaction to fire tests for products. Determination of the gross heat of combustion (calorific value)
EN ISO 9239-1	Reaction to fire tests for floorings. Determination of the burning behaviour using a radiant heat source
EN ISO 11925-2	Reaction to fire tests. Ignitability of products subjected to direct impingement of flame. Single-flame source test
IEC 61730-2	Photovoltaic (PV) module safety qualification – Part 2: Requirements for Testing – MTS 23 – Fire Test
IEC 61730-2	Photovoltaic (PV) module safety qualification - Part 2: Requirements for Testing – MTS 24 – Ignitability Test
ISO 5660-1	Reaction-to-fire tests — Heat release, smoke production and mass loss rate — Part 1: Heat release rate (cone calorimeter method) and smoke production rate (dynamic measurement)
MSC.307(88), Annex 1, Part 1	Resolution MSC.307(88), International Code for Application of Fire Test Procedures, 2010 (2010 FTP Code), Annex 1, Part 1 - Non-combustibility test
NFPA 701	Standard Methods of Fire Tests for Flame Propagation of Textiles and Films
UL 790	Standard Test Methods for Fire Tests of Roof Coverings
Physical	
EN ISO 29466	Thermal insulating products for building applications — Determination of thickness – Annex B.1