



CERTIFICATE OF ACCREDITATION

This is to attest that

APPLUS IDIADA KARCO ENGINEERING, L.L.C.

9270 HOLLY ROAD
ADELANTO, CALIFORNIA 92301, U.S.A.

Testing Laboratory TL-371

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 December 5, 2022



A handwritten signature in black ink, reading "Raj Nathan".

President

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

APPLUS IDIADA KARCO ENGINEERING, L.L.C.

www.applusidiada.com

Contact Name Michael Dunlap

Contact Phone +1-760-246-1672

Accredited to ISO/IEC 17025:2017

Effective Date December 5, 2022

Structural	
ASTM F2656/F2656M	Standard test method for crash testing of vehicle security barriers
BS EN 1317-1:2010	Road restraint systems - terminology and general criteria for test methods
BS EN 1317-2:2010	Road restraint systems - performance classes, impact test acceptance criteria and test methods for safety barriers including vehicle parapets
BS EN 1317-3:2010	Road restraint systems - performance classes, impact test acceptance criteria and test methods for crash cushions
DD ENV 1317-4:2002	Road restraint systems - performance classes, impact test acceptance criteria and test methods for terminals and transitions of safety barriers
FMVSS 206	Door locks and door retention components
FMVSS 208	Occupant crash protection: right front passenger test methodologies
FMVSS 214D	Dynamic side impact protection – moving deformable barrier test
FMVSS 214P	Dynamic side impact protection – rigid pole side impact test
FMVSS 216	Roof crush resistance
FMVSS 216A	Roof crush resistance – upgraded standard
FMVSS 223	Rear impact guards
FMVSS 301	Fuel system integrity
FMVSS 305	Electric-powered vehicles: electrolyte spillage and electrical shock protection (including protocols for hybrid and electric vehicles)
IIHS	Side Impact Crashworthiness Evaluation
	Small Overlap Frontal Crashworthiness Evaluation
	Moderate Overlap Frontal Crashworthiness Evaluation
Latin NCAP	Offset Deformable Barrier Frontal Impact Testing Protocol
	Pole Side Impact Testing Protocol
	Side Impact Testing Protocol

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MASH	Manual for Assessing Safety Hardware
National Highway Traffic Safety Administration (NHTSA) for the New Car Assessment Program (NCAP)	Frontal Impact
	Side Impact Moving Deformable Barrier
	Side Impact Rigid Pole
	Dynamic Rollover, Fishhook Maneuver
	Crash Imminent Brake System Performance Evaluation
	Dynamic Brake Support Performance Evaluation Confirmation Test
	Forward Collision Warning System Confirmation Test
	Lane Departure Warning System Confirmation Test and Lane Keeping Support Performance Documentation
	Pedestrian Automatic Emergency Brake System Confirmation Test
	Blind Spot Detection System Confirmation Test
	Blind Spot Intervention System Confirmation Test
	Rear Automatic Braking Feature Confirmation Test
	Lower Beam Headlighting System Visibility Confirmation Test
	Semiautomatic Headlamp Beam Switching Device Confirmation Test
	Amber Rear Turn Signal Lamps Confirmation Test
Lane Keeping Support System Confirmation Test	
NCHRP 350	Recommended procedures for the safety performance evaluation of highway features (including parts A and B)
SD-STD-02.01	Test method for vehicle crash testing of perimeter barriers and gates (revision A)
UN ECE	Regulation 12 - Uniform provisions concerning the approval of vehicles with regard to the protection of the driver against the steering mechanism in the event of impact
	Regulation 34 - Uniform provisions concerning the approval of vehicles with regard to the prevention of fire risks (Inclusion - Part II only)
	Regulation 94 - Uniform provisions concerning the approval of vehicles with regard to the protection of the occupants in the event of a frontal collision
	Regulation 95 - Uniform provisions concerning the approval of vehicles with regard to the protection of the occupants in the event of a lateral collision
	Regulation 135 - Uniform provisions concerning the approval of vehicles with regard to their Pole Side Impact performance (PSI)

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	Regulation 137 - Uniform provisions concerning the approval of passenger cars in the event of a frontal collision with focus on the restraint system
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FMVSS: Federal Motor Vehicle Safety Standard

IIHS: Insurance Institute for Highway Safety

NCHRP: National Cooperative Highway Research Program

UN ECE: United Nations Economic Commission for Europe