



INTERNATIONAL  
ACCREDITATION  
SERVICE®

# CERTIFICATE OF ACCREDITATION

*This is to attest*

**DATA TEST LABS COMPANY**  
45005 FIVE MILE ROAD  
PLYMOUTH, MICHIGAN 48170, UNITED STATES

**Testing Laboratory TL-1469**

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* and with *IAS Integrated Accreditation Policy*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date June 11, 2026



*International Accreditation Service*  
Issued under the authority of IAS management

Visit [www.iasonline.org](http://www.iasonline.org) for current accreditation information.

# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | www.iasonline.org

## DATA TEST LABS COMPANY

Location	Address	Contact Name	Contact Phone	Scope Pages
TL1469 Main	45005 Five Mile Road Plymouth, MI 48170 United States	Rick A. Titus	+18476643281	2-4
Satellite	2709 Bond Street, Suite E and 2677 Bond Street Rochester Hills, MI 48309*	Rick A. Titus	+18476643281	4-6

\*The Rochester Hills, MI location is a campus with two buildings. Testing and personnel are shared between the two buildings.

Accredited to ISO/IEC 17025:2017

Effective Date June 11, 2026

### Main

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Mechanical Testing	Electronic/Electrical/ Automotive Components; Packaging; Medical Devices	Thermal Cycling -70 to 240°C; up to 95% RH	GMW 3172 section 9.4 CETP 00.00-L-412 sections 5.2, 5 and 5.6 IEC 60068-3-1 CS.00056 sections 4.1 and 4.3 CS.90012 sections 2.6.5, 2.6.6.7c and 2.6.7.3c Toyota TSC3005G Toyota TSC510G Nissan 28401NDS01
	Electronic/Electrical/ Automotive Components	Thermal Shock -70 to 240°C	GMW 3172 section 9.4; CETP: 00.00-L-412 sections 5.6 and 5.7 IEC 60068-3-1 CS.00056 CS.90012 section 2.6.6 Toyota TSC0509G Toyota TSC0510G Toyota TSC3005G Nissan 28401NDS01
	Automotive Components	Pressure -14 to 10,000 PSI	GMW 15964
	Electronic Components	Free Fall and Handling Drop/ Drop Resistance	GMW 3172 section 9.3.10 ISO 16750-3 section 4.3 CS.00056 section 5.4.6 IEC 60068-2-31 section 5.2 (concrete)

TL-1469

DATA TEST LABS COMPANY

Effective Date June 11, 2026

Page 2 of 6

IAS/TL/100-1



# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Environmental Testing	Automotive Components	Corrosion Resistance	GMW 3172 section 9.4 IEC 60068-2-52
	Packaging/Medical Devices	Environmental Conditioning/Distribution Environment	ASTM D4332
		Accelerated Aging	ASTM F1980
		Climatic Stressing	ASTM F2825
Ingress Protection	Electronic Components	Water Intrusion and Waterproofness	ISO 20653, IP Code First Code Element Protection Against Foreign Objects, IP1x through IP6Kx; Second Code Element Protection Against Water, IPx1 through IPx9K
			IEC 60529, IP Code First Code Element Protection Against Foreign Objects, IP1x through IP6x; Second Code Element Protection Against Water, IPx1 through IPx9
Vibration Testing	Electronic/Electrical/Automotive Components	Sine and Random Shock 2 - 2500 Hz	GMW 3172 section 9.3 CETP: 00.00-L-412 sections 5.12 and 5.13 IEC 60068-2-6 CS.00056 section 4.15 CS.90012 section 2.6.3 Nissan 28401NDS01
Electrical Testing	Electronic/Electrical/Automotive Components	Voltage and Current -600 to +600 V AC/DC -500 to +500 A	GMW 3162 sections 8.2,9.2.1,9.2.9,9.2.10,9.2.14,9.2.15,9.2.16,9.2.19,9.2.20 CS.00056 sections 3.2 & 3.3 CS.90012 sections 2.5.4, 2.5.5, 2.6.5 Nissan 28401NDS01 Toyota TSC3005G (Excluding 4.12)
		Dielectric Strength Withstand voltage 0 - 5,000V AC (50 or 60 Hz) 0 - 5,000V DC	ISO 16750-2 GMW 3191

TL-1469

**DATA TEST LABS COMPANY**

Effective Date June 11, 2026

Page 3 of 6

IAS/TL/100-1



INTERNATIONAL  
ACCREDITATION  
SERVICE®

# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Electrical Testing (cont'd.)	Electronic/Electrical/Automotive Components (cont'd.)	Insulation Resistance 50V – 1,000V DC	USCAR-2 ISO 16750-2 GMW 3172
		Resistance Measurements 50 mΩ to 4 GΩ	USCAR-2

## Satellite

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Mechanical Testing	Electronic/Electrical/Automotive Components	Thermal Cycling -70 to 240°C; up to 95% RH	GMW 3172 section 9.4 CETP 00.00-L-412 sections 5.2, 5 and 5.6 IEC 60068-3-1 CS.00056 sections 4.1 & 4.3 CS.90012 sections 2.6.5, 2.6.6.7c, 2.6.7.3c Toyota TSC0510G Toyota TSC3005G Nissan 28401NDS01 JESD22-A110E IEC 60068-2-66
		Thermal Shock -70 to 240°C	GMW 3172 section 9.4 CETP 00.00-L-412 sections 5.6 and 5.7 IEC 60068-3-1 CS.00056 CS.90012 section 2.6.6 Toyota TSC0509G Toyota TSC0510G Toyota TSC3005G Nissan 28401NDS01
		Highly Accelerated Life Testing (HALT Testing)	GMW 8287
		Free Fall and Handling Drop/ Drop Resistance	GMW 3172 ISO16750-3 IEC60068-2-31
	Automotive Components	Water Intrusion and Waterproofness IP Water Ratings	IP IEC 60529 sections X1 through 6, X6K. Dust 5X and 6X Water Intrusion IP 1 through 6K and 9K (paragraphs 9.5.3 and 9.5.4) JIS D203 Rain R1 and R2 and Spray S1 and S2

TL-1469

DATA TEST LABS COMPANY

Effective Date June 11, 2026

Page 4 of 6

IAS/TL/100-1



# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Mechanical Testing (cont'd.)	Automotive Components (cont'd.)	Water Intrusion and Waterproofness IP Water Ratings (cont'd.)	ISO 20653
	Electronic Components	Free Fall and Handling Drop/ Drop Resistance	GMW3172 section 9.3.10 ISO 16750-3 section 4.3 CS.00056 section 5.4.6 IEC 60068-2-31 section 5.2 (concrete)
Environmental Testing	Automotive Components	Corrosion Resistance	IEC 60068-2-11 Ford Test Method 147.00-E-4766 GMW 3172 section 9.4.8 ASTM B117 SAE J2334 GMW 14872
		Gas Corrosion Exposure/ Mixed Flowing Gas	ASTM B845 ASTM B827 IEC 60068-2-60/Ed3 EN 60068-2-60:2015 Ford ES-2L2T-14K147-AA JDQ 53.3 ES 91500-00 VW 8000:2017-10 Honda 8A00Z-30A-0000, Table 5-2, Test # 7 HES D 3217-15 Item 5.3.15
		Dust Testing/ IP Dust Ratings	GMW 3172 section 9.5 CS.00056 section 4.3 ISO 20653 SAE J726
		Dewing/Condensation 100% Condensing Humidity	GS 95024-3-1 K-15 of LV124 GS 95011-4
		Thermal Shock Water Splash/ Thermal Water Exposure	VW 80000 K12 ISO 16750-4
	Packaging/Components	Environmental Conditioning	ASTM D4332
		Accelerated Aging	ASTM F1980
		Environmental Conditioning Climatic Stressing	ASTM F2825
Vibration Testing	Electronic/Electrical/ Automotive Components	Sine and Random Shock 2 - 2500 Hz	GMW3172 section 9.3 CETP: 00.00-L-412 sections 5.12 & 5.13

TL-1469

**DATA TEST LABS COMPANY**

Effective Date June 11, 2026

Page 5 of 6

IAS/TL/100-1



INTERNATIONAL  
ACCREDITATION  
SERVICE®

# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Vibration Testing (cont'd.)	Electronic/Electrical/ Automotive Components (cont'd)	Sine and Random Shock 2 - 2500 Hz (cont'd.)	IEC 60068 sections 2-6 CS.00056 section 4.15 CS.90012 section 2.6.3 Nissan 28401NDS01
Electrical Testing	Electronic/Electrical/ Automotive Components	Voltage and Current -600 to +600 V AC/DC; -500 to +500 A	GMW 3172 Sections 8.2, 9.2.1, 9.2.9, 9.2.10, 9.2.14, 9.2.15, 9.2.16, 9.2.19, 9.2.20 CS.00056 sections 3.2 & 3.3 CS.90012 sections 2.5.4, 2.5.5 and 2.6.5 Nissan 28401NDS01 Toyota TSC3005G (excluding 4.12)
		Dielectric Strength 0 – 5,000 V AC (50 or 60 Hz) 0 – 5,000V DC	ISO16750-2 GMW 3191
		Insulation Resistance 50V – 1,000V DC	USCAR-2 ISO16750-2 GMW3172
		Resistance Measurements 50 mΩ to 4 GΩ	USCAR-2

