



# GP-10 认可证书

## GP-10 ACCREDITATION

### 天祥汽车零部件检测实验室

### Intertek Automotive Testing Service

有效期:2020年5月1日

地址:上海浦东桂桥路1201号T52-8

邮编:201206

联系人:盛明

电话: 021-50319089

证书编号:L1004

Valid to: May 1, 2020

Address: Building T52-8, No.1201 Gui Qiao Rd, Pudong, Shanghai

Zip Code: 201206

Contact: Sheng Ming

Phone: 021-50319089

Certificate Number: L1004

鉴于贵实验室已成功通过SGM GP-10的评估,我们对下列试验进行认可:

In recognition of the successful completion of the Shanghai GM GP-10 evaluation process, accreditation is granted to this laboratory to perform the following types of tests.

认可范围

### SCOPE OF ACCREDITATION

- GMW3059-2015 限用有害物质 Restricted and Reportable Substances for Parts
- GMW3097-2015 电磁兼容 EMC
- GMW3112-2012 前部气囊模块要求验证 Verification of Requirements for Frontal Airbag Modules
- 3.2.1.1 静态展开试验 Static Deployment Test
- 3.2.1.2.1 动态冲击试验 Dynamic Shock Test
- 3.2.1.2.2 带温度循环的振动试验 Vibration/Temperature Cycle Test
- 3.2.1.2.3 热冲击试验 Thermal Shock Test
- 3.2.1.2.4 抗湿度试验 Humidity Resistance Test
- 3.2.1.2.7 噪音试验 Squeak, Rattle, and Other Audible Noise Avoidance Test
- 3.2.1.3 热老化 Module Heat Aging
- 3.2.1.5 跌落试验 Module Drop Test
- 3.2.1.11 喇叭测试 Horn Tests
- 3.2.1.12 模块抗手压试验 Module Hand Impact Resistance Test
- GMW3118-2012 侧碰/顶部气囊模块要求 Requirements for Side Impact/Roof Rail Airbag Modules
- 3.2.1.1 静态展开试验 Static Deployment Test
- 3.2.1.2.1 动态冲击试验 Dynamic Shock Test
- 3.2.1.2.2 带温度循环的振动试验 Vibration/Temperature Cycle Test
- 3.2.1.2.3 热冲击试验 Thermal Shock Test
- 3.2.1.2.4 抗湿度试验 Humidity Resistance Test
- 3.2.1.2.6 维修耐久试验 Service Durability Test
- 3.2.1.2.7 噪音试验 Squeak, Rattle, and Other Audible Noise Avoidance Test
- 3.2.1.3 热老化 Module Heat Aging
- 3.2.1.5 跌落试验 Module Drop Test
- GMW3133-2013 安全气囊组件材料测试  
Validation of Cover/Door Subcomponent for Frontal, Side and Roof Rail Airbag Modules
- GMW3172-2015 电器/电子零件-环境/耐久性  
Electrical/Electronic Components - Environmental/Durability
- GMW3191-2012 连接器试验和验证规范 Connector Test and Validation Specification
- GMW3205-2011 气味测试 Odor Propagation of Interior Materials
- GMW3208-2012 泰伯磨耗 Rotary Abrasion Test, Taber Type
- GMW3220-2011 粘结强度 Bond Strength
- GMW3235-2011 雾露性能 Fogging Characteristics of Trim Materials
- GMW3259-2011 抗霉变 Mildew Resistance
- GMW3286-2011 中性盐雾试验 Neutral Salt Spray Testing
- GMW3326-2011 梯形撕裂强度 Tearing Strength by Trapezoid Method
- GMW3402-2011 抗污和抗清洁剂 Soil and Cleaner Resistance

- GMW3405-2009 缝合疲劳 Seam Fatigue
- GMW3414-2014 内饰氙灯老化 Interior Xenon Test
- GMW4090-2011 纺纱支数 Yarn Count
- GMW4217-2011 尺寸稳定性 Dimensional Stability
- GMW14011-2010 振动噪声 Subsystem/Component Squeak and Rattle
- GMW14096-2012 方向盘总成-验证要求 Steering Wheel Assembly - Verification Requirements
- 3.2.1.2.1 动态冲击试验 Dynamic Shock Test
- 3.2.1.2.2 带温度循环的振动试验 Vibration/Temperature Cycle Test
- 3.2.1.2.3 热冲击试验 Thermal Shock Test
- 3.2.1.2.4 抗湿度试验 Humidity Resistance Test
- 3.2.1.2.7 噪音试验 Noise Test
- 3.2.1.3.6 上辐条上边缘推拉力 Upper Rim Between Upper Spokes Push-Pull Durability Test
- 3.2.1.3.7 上、下辐条间的上边缘推拉力 Upper Rim Between Upper and Lower Spokes Push-Pull Durability
- GMW14124-2012 汽车环境循环 Automotive Environmental Cycles
- GMW14335-2011 塑料零件的含湿率 Moisture Content of Plastic Components
- GMW14444-2014 内饰件材料测试 Material Related Interior Part Performance
- GMW14575-2008 手套箱和大储物盒试验 Test of Glove Box and Large Compartments
- 4.2 释放力测试 (F1) Measurement of Release Force(F1)
- 4.3 闭合力或锁力测试 Measurement of Closing Force or Latching Force
- 4.5 开启时间测试 Measurement of Opening Time (T1)
- 4.12 释放手柄插入拔出力测试 Testing the Pull-out Force of the Release Handle
- 4.13 开启手套箱偏差 (F6) Open Glove Box Deflection (F6)
- 4.16 手套箱操作耐久 Glove Box Operational Cycles
- 4.18 振动试验 Vibration Test
- GMW14576-2011 烟灰盒和小储物盒试验 Test of Ashtray and Small Compartments
- 4.2 释放力测试F1 Measurement of Release Force F1
- 4.3 开启力测试F2 Measurement of the Opening Force F2
- 4.4 闭合力测试F3 Measurement of Closing Force F3
- 4.5 锁紧力测试F4 Measurement of Locking Force F4
- 4.6 插入力及移除力 Ashtray Insert Release Force and Removal Force
- 4.7 测试开启时间 Measurement of Opening Times T1 with a Damped System
- 4.15 滥用测试 Misuse Test
- 4.16 耐久测试 Durability Test
- GMW14650-2015 外饰件材料测试 Performance Requirements for Exterior Plastic Parts
- GMW14668-2014 塑料电镀件性能要求 Requirements for Decorative Chromium Plated Plastic Parts
- GMW14669-2013 内外饰金属件有机涂层性能 Organic Coating Performance for Exterior and Interior Metallic

- GMW14671-2011 底盘有机涂层性能 Organic Coating Performance for Underhood and Underbody Components
- GMW14698-2012 抗刮擦 Scratch Resistance
- GMW14700-2012 碎石冲击 Stone Chipping Test
- GMW14729-2015 高湿试验 High Humidity Test.
- GMW14797-2015 塑料油漆性能要求 Painted Plastic Parts Performance Requirements
- GMW14829-2012 漆膜的胶带附着力 Tape Adhesion Test for Paint Finishes
- GMW14831-2012 安全带零件规范 Specification for the Safety Belt Component
- 3.7.3.1.13 卷收器振动噪音 Retractor Vibration Noise
- 3.7.3.1.14 安全带抽出/缩回噪音 Extraction/Retraction Noise
- 3.7.3.1.16 振动容限 Vibration Tolerance
- 3.7.3.2.14.1 振动噪音试验 Buckle/latch and Anchor Connection Vibration Noise
- 3.7.3.2.14.2 振动容限 Vibration Tolerance
- GMW14867-2010 内饰塑料油漆性能要求 Performance Requirements of Paints on Interior Plastic Substrates
- GMW14872-2013 循环腐蚀实验室试验 Cyclic Corrosion Laboratory Test
- GMW14906-2014 灯具开发和验证试验程序 Lamp Development and Validation Test Procedures
- 4.9.2.3 加速腐蚀 Accelerated Corrosion
- 4.9.3.1 耐候 Weatherability
- 4.9.2.5 焊接应力开裂 Weld Joint and Snap Attach Stress
- 4.9.3.6 耐高湿环境 High Humidity Environments
- 4.9.2.4 点灯试验 Light up
- 4.9.3.7 高压喷水 High pressure water
- 4.6.1.3 HID点灯可靠性试验 HID Component Ignition Reliability
- 4.9.3.2 内热试验 Internal Heat
- 4.9.2.6 LED灯循环点亮 LED Lamp Actuation Cycle
- 4.9.2.7 LED灯持续点亮 LED Continuous Activation
- 4.9.3.5 疏油膜结露试验 Condensation for Lamps with Oleophobic Membranes
- 4.9.3.8 日光灯负荷测试 Solar Load Test
- 4.9.2.10 浸没测试 Submersion Test
- 4.9.2.11 自由跌落 Free fall Test for All Lamps
- 4.9.2.12 存储试验 Storage Test
- 4.9.2.2.1 温度循环 Temperature Cycling
- 4.9.2.2.2 振动 Vibration
- GMW15080-2011 门窗系统操作耐久 Door Window System, Operating Durability
- GMW15308-2014 外饰系统灯光暴晒 Exterior Subsystems Solar Exposure Test
- GMW15634-2014 内饰材料VOC和SVOC VOC and SVOC from Interior
- GMW15635-2012 内饰材料醛酮挥发物 Aldehyde and Ketone Emissions

- GMW15957-2010 碎石、耐磨功能膜材料测试 Gravel/Abrasion Resistant Functional Films
- GMW16443-2015 粘性要求 Adhesion Performance Requirements for Adhesive Backed Light Trim and Foam
- GMW16717-2012 附膜装饰内饰件材料测试 Decorative Interior Laminates and Films
- GMW16741-2012 内外饰植绒材料测试 Fiber Coating- Interior or Exterior.
- GM2210M-2005 内饰木质材料测试 Decorative Interior Wood Components
- GM3802M-2008 外饰件装配胶带材料测试 Mounting Tape - Exterior Trim
- GM7469M-1992 塑料件材料测试 Applied Graphics on Plastic Parts
- GM9904P-1997 多轴冲击 Multiaxial Impact
- ISO 75-1/2-2013 热变形温度 Heat Deflection Temperature
- ISO 178-2010 塑料弯曲性能的测定 Plastics - Determination of flexural properties
- ISO 179-1-2010 塑料简支梁冲击 第1部分 Plastics - Determination of Charpy Impact Properties - Part 1
- ISO 180-2000 塑料 埃左(Izod)冲击强度的测定 Plastics - Determination of Izod Impact Strength
- ISO 294-4-2001 模具收缩 Determination of Moulding Shrinkage
- ISO 306-2013 维卡软化温度 Vicat Softening Temperature
- ISO 527-1/2-2012 塑料拉伸性能 Plastics - Determination of Tensile Properties
- ISO 1133-1-2011 熔体流动速率 Melt Flow Rate
- ISO 1183-1-2012 密度 Density
- ISO 3451-1-2008 塑料-灰分测定 Plastics - Determination of Ash
- ISO 6603-1/2-2000 硬质塑料冲击性能的测定 Determination of Puncture Impact Behaviour of Rigid Plastics
- ISO 11357-1/2/3 塑料 差示扫描热法(DSC) Plastics - Differential Scanning Calorimetry (DSC)
- ISO 11358-1-2014 热重量分析 TGA
- ISO 11359-2-1999 线性膨胀系数 Coefficient of Linear Thermal Expansion
- ISO 15512-2014 塑料含水量测定 Plastics - Determination of Water Content
- AATCC 8-2007 摩擦色牢度 Colorfastness to Crocking
- AATCC 23 -2015 烟熏色牢度 Colorfastness to Burnt Gas
- ASTM D3012-2013 热氧稳定性 Thermal Oxidative Stability
- ASTM D3763-2015 塑料高速穿孔特性的试验方法 Test Method for High Speed Puncture Properties
- ASTM D4060-2010 涂层泰伯磨耗 Abrasion Resistance of Coatings
- ASTM D4966-2012 马丁代尔磨耗 Martindale Abrasion
- SAE J1545-2005 颜色测量 Instrumental Color Difference Measurement
- SAE J2020-2003 紫外老化 UV Lighting (QUV)
- SAE J2412-2005 内饰氙灯老化 Interiors Xenon Test
- SAE J2527-2004 外饰氙灯老化 Exteriors Xenon Test
- TS-BD-003-2012 车内零部件挥发性有机化合物的测试方法—袋子法  
Determination of Volatile Organic Compounds from Vehicle Interior Parts-Tedlar Bag Method

评审 Audit

批准 Approval

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上汽通用汽车有限公司采购部  
Saic-General Motors Co.,Ltd.Purchasing Department