

Automobile VOC Testing Service



As the interior space of the car is narrow, the concentration of Volatile Organic Compounds (VOC) can easily exceed the limit. High concentrations of VOC can cause fatigue, dizziness and other toxic symptoms. Many countries in the world have published relevant standards about the air quality in the vehicles to prevent the VOC exceeding the limit.

STC is a not-for-profit, independent testing, inspection and certification organization. With a global network of ISO/IEC 17025 accredited testing laboratories, accompanied by our advanced testing equipment, professional technical team, rich experience in product testing service, testing capability are recognized by China National Accreditation Service for Conformity Assessment (CNAS) and other international organizations. STC can provide professional VOC testing service for vehicles manufacturers according to the requirements of clients, and other national and international standards, to help manufacturers break through the environmental and technological barriers and improve competitiveness.

Country/Region	Testing Standards	
ISO	ISO 12219-2:2012 Interior air of road vehicles - Part 2: Screening method for the determination of the emissions of volatile organic compounds from vehicle interior parts and materials - Bag method	
	ISO 16000-6:2011 Indoor air - Part 6: Determination of volatile organic compounds in indoor and test chamber air by active sampling on tenax TA sorbent, thermal desorption and gas chromatography using MS or MS-FID	
Germany	VDA 275 Determination of formaldehyde from vehicle interior with modified flask method	
	VDA 276 Determination of organic substances as emitted from automotive interior products - Using a 1m ³ test chamber	
	VDA 277 Determination of organic emission of non-metallic materials from vehicles interior	
	VDA 278 Thermal Desorption Analysis of Organic Emissions for the Characterization of Non-Metallic Materials for Automobiles	
China	HJ/T 400-2007 Determination of volatile organic compounds and carbonyl compounds in cabin of vehicles	
Enterprise Standard	SAIC Motor	SMTC 5 400 018 Test methods for VOC of vehicle parts
	Great Wall Motor	Q/CC SY248 Determination of volatile organic compounds and carbonyl compounds on non-metallic parts in cabin of vehicles
	Chery Motor	Q/SQR T1-8.3 Emission test - organic matter emission test
	Geely Auto	Q/JLY J711291 Restrictions on volatile organic compounds in automobile interior decoration materials
	Volkswagen	PV 3341 Determination of organic compound emission in automobile interior decoration non-metallic materials
	General Motor	GMW15634 Determination of volatile and semi-volatile organic compounds from vehicle interior materials
	Toyota Motor	TSM0508G Volatile component measurement method using sampling bag
	Nissan Motor	NES M0402 Test methods for VOC of vehicle parts
	Mazda Auto	MES CF 090 Test methods for VOC of vehicle parts
	Honda Motor	0094Z-T0A-0000 Test methods for VOC of vehicle parts
Hyundai Auto	MS300-55 VOC emission test method for automotive interior parts	

For more information, please contact our Chemical, Food and Pharmaceutical Products Division:

+86 519 8548 7806 +86 519 8548 7811 czstc@stc.group

No.19 Xinke Road, Electronic-Technology Park, Changzhou, Jiangsu, China



www.stc.group

CZCFDF1802E_DG201806_CZ