



# HONGCAI TESTING

General Information

HCT-202011-01

## The governance of VOCs continues to be strengthened, HCT helps companies with quick response

● **VOCs Introduction :**

<b>VOCs Definition</b>	
<p>VOCs is the abbreviation of the English name "Volatile Organic Compounds". In China, VOCs generally refer to any organic compound with an initial boiling point lower than or equal to 250 °C under a standard pressure of 101.3 kPa.</p>	
<b>VOCs Main Resource</b>	
<p>Outdoor VOCs are mainly from industrial waste gas, automobile exhaust and photochemical pollution etc. by fuel combustion and transportation;</p> <p>Indoor VOCs mainly comes from combustion products such as coal and natural gas, smoke from smoking, heating and cooking, construction and decoration materials, furniture, household appliances, automobile interior parts production, cleaning agents and from human body emissions.</p>	
<b>VOCs Pollution Source Classification</b>	
<p>1) Organic solution. Common organic solutions include cosmetics, shampoos and detergents, as well as daily tools such as adhesives, paints, and water-containing coatings commonly used in life.</p> <p>2) Building materials. Paints, plastic materials, foam insulation materials, man-made boards and other materials used in and outside the building.</p> <p>3) Interior decoration materials. Including wall paint, wallpaper, murals that easily produce volatile odors, decoration boards and other materials.</p> <p>4) Fiber materials. Under normal circumstances, it can be used for carpets, tapestries, chemical fiber curtains and other supplies.</p> <p>5) Office supplies. Some office supplies are themselves volatile. For example, inks, and some of them are not volatile, but because they emit a lot of heat during their work, some of the consumables are emitted along with the heat. For example, copiers and printers fall into this situation. During the process, a large amount of harmful gas will be emitted into the air.</p> <p>6) Outdoor industrial gas. Its scope is relatively wide, including gases emitted during industrial production, automobile exhaust, photochemical smog, etc.</p>	



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Since December 2019, the China Standardization Administration issued 9 national mandatory standards restricting VOCs.

From July 1, 2020, standards related to the coating, ink, and adhesive industries have been effective.

No.	Standard	Standard Name	Published Date	Effectvices Date
1	GB 38468-2019	Limit of harmful substances of interior floor coatings	2019.12.31	2020.07.01
2	GB 38469-2019	Limit of harmful substances of marine coatings		
3	GB 18581-2020	Limit of harmful substances of woodenware coatings	2020.03.04	2020.12.01
4	GB 18582-2020	Limit of harmful substances of architectural wall coatings		
5	GB 24409-2020	Limit of harmful substances of vehicle coatings		
6	GB 30981-2020	Limit of harmful substances of industrial protective coatings		
7	GB 33372-2020	Limit of volatile organic compounds content in adhesive		
8	GB 38508-2020	Limits for volatile organic compounds content in cleaning agents		
9	GB 38507-2020	Limits of volatile organic compounds( VOCs ) in printing ink		2021.04.01

HCT recommends that all relevant product manufacturers fully understand the requirements of relevant regulations and standards, and screen the products to ensure compliance with the new mandatory national standards. At the same time, HCT also recommends that all relevant product users ensure that the raw materials, semi-finished products and finished products are strictly controlled to jointly win our "blue sky defense war".

#### Contact us:

**Shenzhen Hongcai testing technology co., LTD. (HCT)**

Web: <http://www.hct-test.com/>

Hotline: 400-0066-989T: (86) 755 8416666

Email: [service@hct-test.com](mailto:service@hct-test.com)

Add: 1st, 2nd, and 3rd Floor, No. 30-9 Rhein Road,

Xinsheng Community, Longgang Street, Longgang District,

Shenzhen, Guangdong

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