



Sino Polymer Co., Ltd.
Report No. SI 2604-1758
Cleanroom (atmospheric)

Cleanroom[®] Suitable Materials

HuaChang HMA
Outgassing Behavior VOC/SVOC:
ISO-ACC_m Class -8.5/-6.9

FLOORING

Single product Outgassing Behavior VOC/SVOC

Qualification Certificate

We hereby certify that the material stated above, provided by

Sino Polymer Co., Ltd.
Shanghai, China

has been awarded the Fraunhofer IPA CSM Certificate of Qualification with the report number SI 2604-1758.

The outgassing behavior of HuaChang MFE Cleanroom Wallcoat HMA (color: RAL9010) at the stated temperature was investigated according to VDI 2083 Part 17 and ISO 16000-25. Based on the outgassing rates determined for the specific surfaces, the following material classification was made for the corresponding Contaminant Category:

Contaminant Category (x)	SER ¹⁾ 23°C [g/m ² s]	ISO-ACC _m Class (x)
VOC	3.3 x 10 ⁻⁹	-8.5
SVOC ²⁾	1.1 x 10 ⁻⁷	-6.9
Sum of VOC and SVOC	1.2 x 10 ⁻⁷	--
Refractories ³⁾	1.1 x 10 ⁻⁹	--
Siloxanes ⁴⁾	1.1 x 10 ⁻⁹	--

¹⁾ The emission rate is calculated using the detected mass based on the response of the standard, the analyzed unit and the sampling duration. ²⁾ according ISO 16000-25, SVOC is the sum of airborne and condensing SVOC. Condensing SVOC were collected by heating the emission chamber to 90 °C after removal of the sample. ³⁾ Refractories are compounds containing elements other than C, H and O (for example S, P, N, Si,...). ⁴⁾ Siloxanes and other Si-containing organic substances. Siloxanes also count as refractories.

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on behalf of 
Dr.-Ing. Frank Bürger, head of business unit Testing and Certification

This document only applies to the named product in its original state and is valid for a period of 5 years from the date the first document was issued. The document can be verified under www.tested-device.com.

Detailed information and parameters of the test environment can be found in the Fraunhofer IPA test report.

The norms stated generally refer to the version valid at the time of the tests.