



# Cleanroom<sup>®</sup> Suitable Materials

Roche Diagnostics GmbH  
Report No. RO 1702-882

Powder coated wall panel  
Outgassing VOC/SVOC  
ISO-ACC<sub>m</sub> Class <-9.6 / <-9.6

## FLOORING & COATING

### Outgassing Behavior VOC/SVOC

### Qualification Certificate

We hereby certify that the material stated above, provided by

**Roche Diagnostics GmbH**  
Mannheim, Germany

has been awarded the Fraunhofer IPA CSM Certificate of Qualification with the report number RO 1702-882.

The outgassing behavior of the powder coated wall panel (color: white) at the stated temperatures was investigated according to VDI 2083 Part 17. 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 <sub>a</sub> <sup>1)</sup> 23 °C [g/m <sup>2</sup> s]	SER <sub>a</sub> <sup>1)</sup> 90 °C [g/m <sup>2</sup> s]	ISO-ACC <sub>m</sub> Class (x) based on 23 °C
VOC	< 2.8 x 10 <sup>-10</sup>	7.5 x 10 <sup>-7</sup>	< -9.6
SVOC	< 2.8 x 10 <sup>-10</sup>	3.8 x 10 <sup>-8</sup>	< -9.6
Amines	< 2.8 x 10 <sup>-10</sup>	< 4.6 x 10 <sup>-9</sup>	--
Organophosphates	< 2.8 x 10 <sup>-10</sup>	< 4.6 x 10 <sup>-9</sup>	--
Siloxanes	< 2.8 x 10 <sup>-10</sup>	< 4.6 x 10 <sup>-9</sup>	--
Phthalates	< 2.8 x 10 <sup>-10</sup>	< 4.6 x 10 <sup>-9</sup>	--

<sup>1)</sup> SER<sub>a</sub>: area-specific emission rate

Detailed information regarding specific product data such as date of manufacture, color, and serial number as well as test environment and parameters can be obtained from the CSM test report issued by the Fraunhofer-Gesellschaft.

Stuttgart, May 5, 2017  
Place, date of first document issued

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Place, current date

on behalf of   
Udo Gommel, Project manager Fraunhofer IPA

The validity of this certificate applies only to the mentioned product in this particular condition for a duration of 5 years.

Further information:

[www.tested-device.com](http://www.tested-device.com).

Please visit [www.ipa-csm.com](http://www.ipa-csm.com).

DUPLICATE