



# IPA

Cleanroom (atmospheric)

valid until: November 26, 2030

# Fraunhofer

TESTED<sup>®</sup>  
DEVICE

Ziehl-Abegg SE  
PA6-GF30 blue

**Report No. ZI 2507-1655**

## Single product Outgassing Behavior VOC/SVOC

DUPPLICAT

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

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

## Qualification Certificate

This is to certify that the product mentioned above, provided by

**Ziehl-Abegg SE**  
Künzelsau, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number ZI 2507-1655.

The outgassing behavior of the PA6-GF30 blue (color: blue) at the stated temperature was investigated according to ISO 14644-15, ISO 16000-25 and 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]	ISO-ACC <sub>m</sub> Class (x)
<b>VOC</b>	4.7 x 10 <sup>-9</sup>	<b>-8.3</b>
<b>SVOC<sup>2)</sup></b>	< 2.8 x 10 <sup>-10</sup>	<b>&lt; -9.6</b>
<b>Sum VOC+SVOC</b>	4.7 x 10 <sup>-9</sup>	--
<b>Refractories<sup>3)</sup></b>	< 2.8 x 10 <sup>-10</sup>	--
<b>Siloxanes<sup>4)</sup></b>	< 2.8 x 10 <sup>-10</sup>	--

<sup>1)</sup> The emission rate is calculated using the detected mass based on the response of the standard, the analyzed unit and the sampling duration. <sup>2)</sup> According to ISO 16000-25, SVOC is the sum of airborne and condensable SVOC. <sup>3)</sup> Refractories are compounds containing elements other than C, H and O (for example S, P, N, Si,...). <sup>4)</sup> Siloxanes and other organic substances containing silicon. Siloxanes are also classified as refractories.

ZI 1709-953  
Report No. first document

Stuttgart, December 15, 2017  
Place, date of first document issued

ZI 2507-1655  
Report No. current document

Stuttgart, November 26, 2025  
Place, current date

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



**Fraunhofer**  
IPA