



valid until: May 20, 2031

Fraunhofer

TESTED[®] DEVICE

Ziehl-Abegg SE
ZAmid PAPA LGF40 blue
Report No. ZI 2603-1743

Single product Outgassing Behavior Ammonia

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 2603-1743.

The outgassing behavior of ZAmid PAPA LGF40 blue (color: blue) at the stated temperatures was investigated according to ISO 14644-15. 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)
Ammonia (NH ₃)	< 2.9 x 10 ⁻⁹	< -8.5

¹⁾The emission rate is calculated using the detected concentration based on the external standard calibration, the analyzed sample surface area or number of samples, the volume of the impingement solution and the sampling duration.

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.

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.

DUPLICATE

ZI 2005-1156
Report No. first document

Stuttgart, November 5, 2020
Place, date of first document issued

ZI 2603-1743
Report No. current document

Stuttgart, May 20, 2026
Place, current date

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