



valid until: August 14, 2029

Fraunhofer

TESTED[®] DEVICE

Purepack GmbH
UHP/PE CR-bag without additives
Report No. PU 2405-1524

Single product
Outgassing Behavior
VOC/SVOC

Qualification Certificate

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

Purepack GmbH
Heilbronn, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number PU 2405-1524.

The outgassing behavior of the UHP/PE cleanroom bag,
transparent, unprinted without additives at the stated
temperatures was investigated according to VDI 2083 Part 17 and
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 _a ¹⁾ 23 °C [g/m ² s]	SER _a ¹⁾ 90 °C [g/m ² s]	ISO-ACC _m Class (x) based on 23 °C
VOC	< 2.8 x 10 ⁻¹⁰	< 1.7 x 10 ⁻⁹	< -9.6
SVOC	< 2.8 x 10 ⁻¹⁰	1.1 x 10 ⁻⁷	< -9.6
Amines	< 2.8 x 10 ⁻¹⁰	< 1.7 x 10 ⁻⁹	--
Organophosphates	< 2.8 x 10 ⁻¹⁰	< 1.7 x 10 ⁻⁹	--
Siloxanes	< 2.8 x 10 ⁻¹⁰	< 1.7 x 10 ⁻⁹	--
Phthalates	< 2.8 x 10 ⁻¹⁰	< 1.7 x 10 ⁻⁹	--

¹⁾SER_a: Area-specific emission rate

PU 2405-1524
Report No. first document

Stuttgart, August 14, 2024
Place, date of first document issued

--
Report No. current document

--
Place, current date

on behalf of 
Dr.-Ing. Frank Bürger, Project Manager Fraunhofer IPA

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.



Fraunhofer
IPA