



valid until: April 26, 2029

# Fraunhofer

## TESTED<sup>®</sup> DEVICE

SAMICK PRECISION IND.

LME8uu

Report No. SA 2308-1446

Single product  
Outgassing Behavior  
VOC/SVOC

### Qualification Certificate

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

**SAMICK PRECISION IND. CO., Ltd**  
Daegu, South Korea

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number SA 2308-1446.

The outgassing behavior of LME8uu (color: white) at the stated temperatures was investigated according to ISO 14644-15. Based on the outgassing rates determined for the specific unit, the following material classification was made for the corresponding Contaminant Category:

Contaminant Category (x)	SER <sub>u</sub> <sup>1)</sup> 23°C [g/unit·s]	ISO ACC <sub>e</sub> Class (x) based on 23° C
VOC	< 2.8 x 10 <sup>-13</sup>	< - 12.6
SVOC	< 2.8 x 10 <sup>-13</sup>	< - 12.6
Amines	< 2.8 x 10 <sup>-13</sup>	--
Organophosphates	< 2.8 x 10 <sup>-13</sup>	--
Siloxanes	< 2.8 x 10 <sup>-13</sup>	--
Phthalates	< 2.8 x 10 <sup>-13</sup>	--

<sup>1)</sup>SER<sub>u</sub>: Unit-specific emission rate

SA 1709-944  
Report No. first document

Stuttgart, February 23, 2018  
Place, date of first document issued

SA 2308-1446  
Report No. current document

Stuttgart, April 26, 2024  
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 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.

DUPLICATED