



# Fraunhofer

## TESTED<sup>®</sup> DEVICE

STRUBL GmbH & Co. KG  
PURELL2420F | CRP\_2420\_EP  
Report No. **ST 1411-734**

### Qualification Certificate

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

**STRUBL GmbH & Co. KG**  
Wendelstein, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number ST 1411-734.

Under the specified test conditions, the packaging film PURELL2420F| CRP\_2420\_EP is suitable at best for use in ISO Class 3 cleanrooms according to ISO 14644-1. This corresponds with ISO ACP<sub>c</sub> Class 3 according to VDI 2083 Part 9.2.

Test procedure parameters (according to ISO 9073-10):

- Position of tensioned sample: ..... flat  
Length between tensioning points l: ..... 240 mm
- Motion cycle:
  - Linear compression s: ..... 120 mm
  - Torsion: ..... 180°
- Cycle time t: ..... 1 s
- Duration of stress applied to test piece: ..... 100 min
- Distance between particle counting probe and test piece: ..... 130 mm

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

Stuttgart, February 24, 2015

i.A.   
Frank Bürger, Project manager Fraunhofer IPA

DUPLICATE

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)