



Fraunhofer

**TESTED[®]
DEVICE**

SHIELD Scientific BV
Eco Nitrile 300 DI+
Report No. SH 1402-694

DUPLICATE

Statement of
Qualification

Outgassing Behavior

Statement of Qualification

Customer: SHIELD Scientific BV
Dr Willem Dreeslaan 1
6721 ND Bennekom
The Netherlands

Component tested

Category: Working Place and Operator

Sub-category: Working Place and Operator/Work Equipment

Product name: SHIELDskin Xtreme Eco Nitrile 300 DI*
(Date of manufacturing: April-2013; Lot: 2D28580B)

Test result: The extractable organic matter per glove was investigated according IEST-RP-CC005.3. The organic analysis by ATD-GC/MS showed no detectable extractable organic matter. The following quantified result could be obtained:

Extractable organic matter per glove: < 5 µg/unit

This result is based on the lower detection limit (LDL) of the method with 5 µg absolute mass per tested glove.

Emission chamber measurements with purge-and-trap thermodesorption method and gas chromatography combined with mass spectrometry (TD-GC/MS)

Standards/Guidelines: IEST-RP-CC005.3
The norms stated refer to the relevant editions applicable at the time of the tests.

Testing equipment:

- Measuring station:.....PerkinElmer Clarus 600, Clarus 600T, ATD 650
- Sampling: Liquid spiking of ATD-tube

Sample storage: Age of sample: Measurement at 23 °C directly after unpacking

Test parameters used:

- Extraction media:.....Isopropyl alcohol
- Extraction volume: 500 ml
- Extraction temperature: 23 °C

The measuring devices used for the qualification tests are calibrated at regular intervals; their results can be traced back to national and international standards. In cases where no national standards exist, the test procedure implemented complies with the technical regulations and norms applicable at the time of the test. The relevant documentation can be viewed on request at any time.

For further information about the test environment and parameters, please refer to the Fraunhofer IPA test report.

Fraunhofer Institute for
Manufacturing Engineering and Automation IPA

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and Micromanufacturing

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Place, date of first document issued

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Place, current date

i. A. 
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