

**Merefsa S.L.U.**  
C/ Castelló 9  
**08830 Sant Boi de Llobregat**  
**SPAIN**

Fürth, 07 January 2026

## TEST REPORT No. FUFDCP2025-07589

Date sample received: 02 December 2025  
Testing period: 02 December 2025 - 07 January 2026  
Technical Director: Kerstin Scharrer  
Food contact testing according to client's request  
Testing according to: BfR recommendation XV, FDA 21 CFR Part 177.2600 Section (e) and (f)

### Abbreviations

|      |  |
|------|--|
| *    | = Test method is not part of the accreditation scope |
| **   | = Outsourcing  |
| #    | = Subsequent delivery                                |
| CS   | = Combined sample                                    |
| F    | = failed   |
| n.a. | = not applicable                                     |
| n.d. | = not determinable (< RL)                            |
| ND   | = not detectable                                     |
| P    | = passed   |
| RL   | = Reporting limit                                    |
| SML  | = specific migration limit                           |
| SMR  | = specific migration reference value                 |
| SRL  | = specific release limit                             |

**Sample description:** SilESD™,  
**Colour: Black, Material: Silicone rubber compound with conductive additives (tested at maximum loading level within the family)**



## 1. Extractable Components of Silicone

Test method: BfR-Recommendations, B II XV (2003-05)\*

RL: 0.1%

Uncertainty of Measurement: 0.01%

### a) Test conditions: Water<sub>demin</sub> (5h / 100°C reflux)

| Parameter                | Result |
|--------------------------|--------|
| Extractable components % | n.d.   |

### b) Test conditions: Acetic acid 3% (5h / 100°C reflux)

| Parameter                | Result |
|--------------------------|--------|
| Extractable components % | n.d.   |

### c) Test conditions: Ethanol 10% (5h / 100°C reflux)

| Parameter                | Result |
|--------------------------|--------|
| Extractable components % | n.d.   |

## 2. Volatile Organic Compounds (VOC)

Test method: BfR-method - Determination of volatile compounds in silicone consumer products (2023-09)\*

Testing conditions: 4h / 200°C

RL: 0.100%

| Determination                      | A      | B    | C    |
|------------------------------------|--------|------|------|
| Volatile Organic Compounds (VOC) % | n.d.   | n.d. | n.d. |
| Mean value % (m/m) (k=2)           | n.d.   |      |      |
| Status                             | passed |      |      |

Limit: max. 0.5%

## 3. Peroxides

Test method: BfR-BII XV/C (2003-05) mod\*

| Parameter | Result               |
|-----------|----------------------|
| Peroxides | no positive reaction |
| Status    | passed               |

Requirement: no positive reaction

#### 4. FDA 21 CFR Part 177.2600 Section (e) and (f)

For test results see attached test report No. HKGH03311144 dated 16 December 2025\*\*.

The test was performed by an approved subcontractor laboratory which is part of the Intertek Group.

---

#### General note:

This report has been prepared for the titled project or named part thereof and should not be relied upon or used for any other project without an independent check being carried out as to its suitability and prior written authority of Intertek being obtained. Intertek accepts no responsibility or liability for the consequences of this document being used for a purpose other than the purposes for which it was commissioned. Any person using or relying on the document for such other purposes agrees, and will by such use or reliance be taken to confirm his agreement to indemnify Intertek for all loss or damage resulting therefrom. Intertek accepts no responsibility or liability for this document to any party other than the person by whom it was commissioned.

We would like to point out, that Intertek can't provide legally binding assessments referring to isolated cases. The individual legal advice in Germany is reserved to the legal advisory professions and a binding interpretation is subject to the court of justice.

Copying excerpts or otherwise reproducing parts of the test report is permitted only with the consent of the laboratory accepting the order. The test results of this test report relate exclusively to the tested item(s) identified in this test report. Intertek accepts no responsibility or liability for the consequences of this test report being used for items other than tested even if expressly listed in this test report.

All testing requests are subject to our Terms and Conditions available on [www.intertek.com](http://www.intertek.com).

END OF REPORT