

Projekt: Organoid Technologies GmbH
 Dipl. Ing. Stefanie Friedel
 Nesselgarten 422 in 6500 Fließ



PRÜFBERICHT 171353 vom 05.01.2018

Test report product testing

Allergen detection (Bet v 1 and Phl p 5) in the decorative layer different materials

| | |
|--------------------------|--|
| Client: | Organoid Technologies GmbH Dipl. Ing. Stefanie Friedel Nesselgarten 422 6500 flies |
| Object / Object: | Your delivery note no. 2003122074 |
| Sample receipt: | 05.12.2017 |
| Sample type: | Product sample A4 Product sample A5 |
| Sample designation (AG): | BIRKÄ decorative coating birch (Bet v1) WILDSPITZE decorative coating, alpine hay on HPL (Phl p5) WILDSPITZE natural wallpaper, alpine hay on flax fleece (Phl p5) WILDSPITZE decorative coating, composite sample (Phl p5) MOUS Decorative Coating (Phl p5) |
| Project No.: | 171353 |
| Investigation order: | Determination of the content of Birch allergen Bet v 1 and grass allergen from Timothy Phl p5 |

1 Procedure

The decorative layer was removed from the carrier layer with a scraper and shredded. The samples were suspended in buffer (1g/10ml) and the Bet v1 and Phl p5 allergen content were quantitatively determined in the samples by means of specific immunoassays. The measures required for the implementation of the Tests required monoclonal antibodies and standards were developed by the company. INDOOR Biotechnologies LTD (United Kingdom). The test was carried out after the Protocol of the manufacturer, Indoor Biotechnology LTD.

For each sample, the undiluted extract and a 1:5, 1:25 and 1:125 dilution of the extract. To calculate the result of the analysis, the Measured values of dilution are used, which are in the almost linear range of the calibration function sites.

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2 Results

2.1 Timothy grass allergen Phl p5

| Sample designation of the client | Internal Sample No. | Allergen concentrations in decorative layer |
|---|---------------------|--|
| | | Phl p5 (µg/g) |
| WILDSPITZE Decorative coating, alpine hay HPL | 171353-0512-201 | < 0,08* |
| WILDSPITZE Natural wallpaper, alpine hay on flax fleece | 171353-0512-202 | < 0,08* |
| WILDSPITZE Decorative coating, composite sample | 171353-0512-203 | < 0,08* |
| MOUS Decorative coating | 171353-0512-205 | < 0,08* |

* Below the limit of quantification

2.2 Timothy grass allergen Phl p5

| Sample designation of the client | Internal Sample No. | Allergen concentrations in decorative layer |
|-------------------------------------|---------------------|--|
| | | Phl p5 (µg/g) |
| BIRKÄ decorative coating birch | 171353-0512-204 | < 0,04* |

* Below the limit of quantification

Köln, den 05.01.2018

Dr. S. Janich-Grün
 (Prüfleiterin Biol. Labor)

Hint:

The test results refer exclusively to the samples and test parameters examined.

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