

# Test Report

Revision 1

Report Number:  
960806-2-M71 rev. 1



**DANISH  
TECHNOLOGICAL  
INSTITUTE**

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Page 1 of 11  
Init.: HBK/MORM  
Order no.: 960806  
Encl.: 4

**Assignor:** HOWE PL Sp. z. o. o., ul. Wyspianskiego 26B/5 , PL 60-751 Poznan, Poland

**Material:** Table top chipboard, oak veneer, no edge  
Additional information is given in enclosure A.

**Sampling:** The assignor confirms having selected the product. The product was forwarded by the assignor and received at Danish Technological Institute on 8 April 2021.

**Period:** The test took place from 12 April 2021 to 10 December 2021.

**Method:** ANSI/BIFMA M7.1-2011(R2016), Standard Test Method for Determining VOC Emissions From Office Furniture Systems, Components and Seating  
Additional information is given in enclosure B.

**Test results:** The results are shown in detail in enclosure C and D.

**Remarks:** This report replaces Report no. 960806-2-M71 of 25 May 2021. The report is updated with evaluation of compliance according to ANSI/BIFMA e3 in Enclosure D.

**Terms:** This test was conducted accredited in accordance with international requirements (ISO/IEC 17025:2017) and in accordance with the General Terms and Conditions of Danish Technological Institute. The test results solely apply to the tested item. This test report may be quoted in extract only if Danish Technological Institute has granted its written consent.

**Place:** Danish Technological Institute, Taastrup, Building and Construction

**Signature:** This document is only valid with a digital signature from Danish Technological Institute.  
Date of issue 10 December 2021.  
  
Helene Bendstrup Klinke  
Business Manager



DIGITALLY SIGNED DOCUMENT

10 December 2021

DANISH TECHNOLOGICAL INSTITUTE



**DANAK**

TEST Reg.no. 2



## Material identification

### Chain of Custody form (CoC)

ANSI BIFMA M7.1/CDPH VOC test


**DANISH  
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INSTITUTE**

| Manufacturer details |   |
|----------------------|---|
| Company              | <b>HOWE PL Sp. Z.o.o.</b>                       |
| Address              | Ul. Wyspianskiego 26B/5<br>PL 60-751            |
| Country              | Poland  |
| Contact name         | Monika Wawrzyn                                  |
| Contact title        | Quality, Environment and Sustainability Manager |
| Phone                | +48 604 958 446                                 |
| E-mail               | mw@hove.com                                     |

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| Sample details                          |   |
|---|---|
| Sample ID                               |   |
| Product category                        | <b>Table top veneer</b>   |
| Product name                            | <b>Table top chipboard, oak veneer, no edge</b>   |
| Manufacturers ID. no.                   | <b>301152003</b>  |
| Date manufactured                       | <b>2021.03.30</b>   |
| Sample collection location              | <b>UAB Svenheim, Naujoji g. 132, Alytus 62175</b>   |
| Samples collection time and date        |   |
| Sample collected by                     |   |
| Number of sample pieces                 | <b>1</b>  |
| Disposal of sample material after test: | <input checked="" type="checkbox"/> Scrap/discard<br><input type="checkbox"/> Storage and pick-up |

| Shipping details |                     |
|------------------|---------------------|
| Packed by        | <b>UAB Svenheim</b> |
| Shipping date    |                     |
| Carrier          |                     |
| Reference number |                     |

#### IMPORTANT:

Please wrap samples in airtight plastic in protective cardboard box/pallet and enclose this chain of custody form. Samples must be received at the test laboratory no later than 15 days from production.

#### Shipping address:

Danish Technological Institute  
 Gregersensvej, Port 3K  
 DK-2630 Taastrup  
 Attn. Helene Klinke – Phone + 4572202173

Send electronic copy of test order form to: E-lab@dti.dk

| Test laboratory           |                        |
|---------------------------|------------------------|
| Reception date & initials | <b>08-04-2021 MHON</b> |
| Laboratory ID             | <b>960806-2</b>        |



Product description and material information from manufacturer

| Table top, veneer on chipboard                     |  |
|--|--|
| Tested product:                                    | Table top, CB plate, oak veneer finish, open edges   |
| Material information of the tested product:        | Inner plate: chipboard plate<br>FSC 16mm CB (Prod. Date 2021-01-04)<br>Supplier "PFLEIDERER"<br>Top veneer layers material: oak veneer (Day of deliver 2021.03.02)<br>Supplier "R.Ulrich Co GmbH"<br>Glue used:<br>Prefere 5220 (Prod. Date 2020.12.08) + Prefere 4131 (Prod. Date 2021.02.05)<br>Supplier "Dynea AS"<br>Top layers lacquer:<br>Uvett Seal UL1369 (Prod. Date 2021.01.22)<br>Uvett Seal UL1369 (Prod. Date 2021.02.08)<br>Uvett Seal UL1384 (Prod. Date 2021.01.13)<br>Uvett Clear 5 UM1178-0005BF (Prod. Date 2020.11.09)<br>Uvett Clear 5 UM1178-0005BF (Prod. Date 2020.11.09)<br>Supplier: "Sherwin-Williams"<br>Any other materials, chemicals used during production: none |
| The tested product represents:                     | Table tops with oak veneer finish on chipboard plates  |
| Material information of the tested product series: | Same as for tested product   |
| Name of manufacturer:                              | Svenheim   |
| Date of issue:                                     | 2021-03-31   |

Product description



## Emission testing

**Material:** Table top chipboard, oak veneer, no edge

### Additional test methods:

- ANSI/BIFMA X7.1-2011 Standard for Formaldehyde and TVOC Emissions of Low-emitting Office Furniture and Seating
- ANSI/BIFMA e3:2019 Furniture Sustainability Standard
- ISO 16000-6:2011 Indoor air - Part 6: Determination of volatile organic compounds in indoor and test chamber air by active sampling on Tenax TA sorbent, thermal desorption and gas chromatography using MS or MS-FID
- ISO 16000-3:2011 Indoor air - Part 3: Determination of formaldehyde and other carbonyl compounds - Active sampling method
- CDPH 01350 Ver 1.2 2017 Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions From Indoor Sources Using Environmental Chambers
- LEED v4.1. 2021 Interior design and construction

### Sample handling:

Prior to testing the wrapped sample was stored at the test laboratory at 20-25 °C.  
The sample was unpacked on 2021-04-08 at 14:00.

### Photo of the test material in the chamber:



### Climate chamber testing from 2021-04-12 to 2021-04-19

|  |  |
|--|--|
| Climate chamber:                             | 113 I - Polished stainless steel           |
| Temperature:                                 | 23°C ± 1°C                                 |
| Relative humidity:                           | 50 % RH ± 5 % RH                           |
| Air velocity at the surface of the specimen: | 0.1 – 0.3 m/s                              |
| Air change (n):                              | 1.0 h <sup>-1</sup> ± 0.05 h <sup>-1</sup> |
| Material load (L):                           | 1.0 m <sup>2</sup> /m <sup>3</sup>         |
| Area specific air flow rate (q):             | 1.0 m <sup>3</sup> /m <sup>2</sup> h       |



### *Air sampling and analysis*

Air samples were taken from the climate chamber outlet air with calibrated pumps, according to the following methods:

| Compounds                  | Method      | Absorbent              | Sampling volume | Quantification/Analysis method                     | Detection limit     |
|----------------------------|-------------|------------------------|-----------------|--|---------------------|
| VOC and carcinogens        | ISO 16000-6 | Tenax                  | 2-5 L           | TDS-GC/MS Calibrated with pure reference standards | 1 µg/m <sup>3</sup> |
| Formaldehyde and carbonyls | ISO 16000-3 | DNPH coated silica gel | 60 L            | HPLC-DAD Calibrated with pure reference standards  | 1 µg/m <sup>3</sup> |

Analysis of the air sampled on Tenax was performed at the Wilhelm Klauwitz Institut (WKI) under DAkkS accreditation number D-PL-11140-05-02. Report no. MAIC-2021-1287.

Analysis of the air sampled on DNPH was performed at the Danish Technological Institute under DANAK accreditation 90. Report no. 976595.



## Results

### Emission of volatile organic compounds

**Material:** Table top chipboard, oak veneer, no edge

For the applied test conditions, the measured concentrations are equal to the emission factor (E).

The traditional concentration approach (ANSI/BIFMA M7.1 sect. 11.4.1) was applied for emission testing.

### *ISO 16000-6 - Volatile organic compounds (VOC)\**

Table 1: Emissions of VOC ( $\mu\text{g}/\text{m}^3$ )

| Chemical class/compound name  | CAS No.     | 72 hrs (3 days) |     |      |        | 168 hrs (7 days) |     |      |        |
|-------------------------------|-------------|-----------------|-----|------|--------|------------------|-----|------|--------|
|                               |             | #1              | #2  | Mean | % diff | #1               | #2  | Mean | % diff |
| <b>Aromatic hydrocarbons</b>  |             |                 |     |      |        |                  |     |      |        |
| Toluene                       |             | 3               | 2   | 3    | 40     | 3                | 3   | 3    | 0      |
| C4-Benzene (p-Cymene)         |             | 2               | 2   | 2    | 0      | 2                | 2   | 2    | 0      |
| Phenol                        | 000108-95-2 | 2               | 2   | 2    | 0      | < 2              | < 2 | 0    | 0      |
| p-Cymene                      | 000099-87-6 | 2               | 2   | 2    | 0      | 2                | 2   | 2    | 0      |
| <b>Aliphatic hydrocarbons</b> |             |                 |     |      |        |                  |     |      |        |
| Methylcyclohexane             | 000108-87-2 | 2               | 2   | 2    | 0      | < 2              | < 2 | 0    | 0      |
| <b>Cycloalkanes</b>           |             |                 |     |      |        |                  |     |      |        |
|                               |             | < 2             | < 2 | < 2  | 0      | < 2              | < 2 | < 2  | 0      |
| <b>Terpenes</b>               |             |                 |     |      |        |                  |     |      |        |
| alpha-Pinene                  | 000080-56-8 | 42              | 42  | 42   | 0      | 43               | 41  | 42   | 5      |
| beta-Pinene                   | 018172-67-3 | 2               | 2   | 2    | 0      | 2                | 2   | 2    | 0      |
| 3-Carene                      | 000498-15-7 | 13              | 14  | 14   | 7      | 14               | 14  | 14   | 0      |
| Limonene                      | 005989-27-5 | 2               | 2   | 2    | 0      | 2                | 2   | 2    | 0      |
| <b>Alcohols</b>               |             |                 |     |      |        |                  |     |      |        |
| n-Pentanol                    | 000071-41-0 | < 2             | < 2 | 0    | 0      | 2                | 2   | 2    | 0      |
| <b>Glycols/Glycol ethers</b>  |             |                 |     |      |        |                  |     |      |        |
|                               |             | < 2             | < 2 | < 2  | 0      | < 2              | < 2 | < 2  | 0      |
| <b>Aldehydes</b>              |             |                 |     |      |        |                  |     |      |        |
| Pentanal                      | 000110-62-3 | 15              | 14  | 15   | 7      | 17               | 17  | 17   | 0      |
| n-Hexanal                     | 000066-25-1 | 47              | 48  | 48   | 2      | 56               | 55  | 56   | 2      |
| Benzaldehyde                  | 000100-52-7 | 11              | 14  | 13   | 24     | 10               | 10  | 10   | 0      |
| <b>Ketones</b>                |             |                 |     |      |        |                  |     |      |        |
| 2-Butanone (MEK)              | 000078-93-3 | 3               | < 2 | 2    | >100   | 2                | 2   | 2    | 0      |
| Cyclohexanone                 | 000108-94-1 | 12              | 12  | 12   | 0      | 6                | 6   | 6    | 0      |
| Acetophenone                  | 000098-86-2 | 2               | 2   | 2    | 0      | < 2              | < 2 | 0    | 0      |
| <b>Halocarbons</b>            |             |                 |     |      |        |                  |     |      |        |
|                               |             | < 2             | < 2 | < 2  | 0      | < 2              | < 2 | < 2  | 0      |
| <b>Acids</b>                  |             |                 |     |      |        |                  |     |      |        |

cont.



| Chemical class/compound name               | CAS No.     | 72 hrs (3 days) |     |      |        | 168 hrs (7 days) |     |      |        |
|--|-------------|-----------------|-----|------|--------|------------------|-----|------|--------|
|  |             | #1              | #2  | Mean | % diff | #1               | #2  | Mean | % diff |
| Acetic acid                                | 000064-19-7 | 29              | 9   | 19   | >100   | 7                | 4   | 6    | 55     |
| Hexanoic acid                              | 000142-62-1 | < 2             | 2   | 1    | >100   | < 2              | < 2 | 0    | 0      |
| Benzoic acid                               | 000065-85-0 | 6               | 7   | 7    | 15     | 5                | 7   | 6    | 33     |
| <b>Esters</b>                              |             |                 |     |      |        |                  |     |      |        |
| Mandelic acid methyl ester                 | 020698-91-3 | 3               | 4   | 4    | 29     | 3                | 3   | 3    | 0      |
| Methyl benzoylformate (Darocur MBF)        | 015206-55-0 | 4               | 4   | 4    | 0      | 3                | 3   | 3    | 0      |
| Carboxylic acid ester (Methyl dodecanoate) |             | 6               | 7   | 7    | 15     | 6                | 6   | 6    | 0      |
| Dipropylene glycol diacrylate              | 057472-68-1 | 2               | 3   | 3    | 40     | 3                | 3   | 3    | 0      |
| <b>Others</b>                              |             | < 2             | < 2 | < 2  | 0      | < 2              | < 2 | < 2  | 0      |
| <b>Sums</b>                                |             |                 |     |      |        |                  |     |      |        |
| TVOC Toluene (ISO 16000-6)                 |             | 227             | 190 | 209  | 18     | 176              | 172 | 174  | 2      |
| Sum VOC (C6-C16)                           |             | 210             | 196 | 203  | 7      | 188              | 184 | 186  | 2      |

\*This substance may be Tenax degradation fragments.

\* Single compounds/volatile compounds were quantified with pure reference standards, and in some cases the compounds shown in subscript were used for the quantification. Acetic acid concentrations have higher analytical uncertainty and may be underestimated, since the applied method is not optimal for this compound.

< 2 Not found above reporting limit < 2 µg/m<sup>3</sup>.

Measured concentrations near limit of quantification (LOQ) of approx. 1 µg/m<sup>3</sup> will result in higher standard deviation from mean value.

Definitions according to ISO 16000-6:

VOC (C6-C16): Volatile organic compounds, between hexane (C6) and hexadecane (C16).

VVOC (<C6): Very volatile organic compounds, eluting before hexane, not included in TVOC.

SVOC (>C16): Semi-volatile organic compounds, eluting after hexadecane, not included in TVOC.

TVOC: Total volatile organic compounds is the sum of all VOCs eluting between C6 and C16, quantified as toluene equivalents.

### ISO 16000-3 - VVOC aldehydes

Table 2: Emissions of formaldehyde and carbonyls (µg/m<sup>3</sup>)

| Chemical class/compound name | CAS No.     | 72 hrs (3 days) |     |      |        | 168 hrs (7 days) |     |      |        |
|------------------------------|-------------|-----------------|-----|------|--------|------------------|-----|------|--------|
|                              |             | #1              | #2  | Mean | % diff | #1               | #2  | Mean | % diff |
| Formaldehyde                 | 000050-00-0 | 8               | 8   | 8    | 0      | 7                | 7   | 7    | 0      |
| Acetaldehyde                 | 000075-07-0 | 10              | 10  | 10   | 0      | 9                | 9   | 9    | 0      |
| Propanal                     | 000123-38-6 | 3               | 3   | 3    | 0      | 3                | 3   | 3    | 0      |
| Butanal                      | 000123-72-8 | 2               | 2   | 2    | 0      | 2                | 2   | 2    | 0      |
| Acrolein                     | 000107-02-8 | < 3             | < 3 | < 3  | 0      | < 3              | < 3 | < 3  | 0      |

< 2 or < 3 Not found above reporting limit < 2 µg/m<sup>3</sup> or < 3 µg/m<sup>3</sup>.

Measured concentrations near limit of quantification (LOQ) of approx. 1 µg/m<sup>3</sup> will result in higher standard deviation from mean value.



## Evaluation of results

According to ANSI/BIFMA M7.1 Table A1.2 and ANSI/BIFMA X7.1 Standard for Formaldehyde and TVOC Emissions from Low-emitting Office Furniture and Seating Table A1.2, the evaluation of indoor air concentrations from individual furniture components must meet the criteria limits for giving LEED EQ Credit for Low-Emitting Materials, Systems Furniture and Seating. The results are shown in Table 5.

Table 3: VOC emissions of tested sample after 168 hours

|  | Emission factor (E) of Tested Component | Maximum E Furniture Components* (Open Plan WS) | Maximum E Furniture Components* (Private Office WS) |
|--|---|--|---|
| Formaldehyde ( $\mu\text{g}/\text{m}^2\text{h}$ )              | 7.0                                     | $\leq 42.3$                                    | $\leq 85.1$   |
| TVOC <sub>(toluene)</sub> ( $\mu\text{g}/\text{m}^2\text{h}$ ) | 174                                     | $\leq 345$                                     | $\leq 694$  |
| Total aldehydes ( $\mu\text{mol}/\text{m}^2\text{h}$ )         | 1.4                                     | $\leq 2.8$                                     | $\leq 5.7$  |
| 4-Phenylcyclohexene ( $\mu\text{g}/\text{m}^2\text{h}$ )       | < 2.0                                   | $\leq 4.5$                                     | $\leq 9.0$  |

\* ANSI/BIFMA M7.1 Table A1.2.



**Table 4: Estimated concentrations (emission factor) of tested product at 3, 7 and 14 days of target CREL VOCs from Proposition 65 and Table 4-1 in CDPH 01350\*.**

Please note: The area specific emission rate (in  $\mu\text{g}/\text{m}^2\text{h}$ ) must be converted to building concentration (in  $\mu\text{g}/\text{m}^3$ ) dependent on the material load of the finished product, before comparison with the allowable concentration.

| Compound name                            | CAS No.          | C <sub>(3 d)</sub><br>( $\mu\text{g}/\text{m}^2\text{h}$ ) | C <sub>(7 d)</sub><br>( $\mu\text{g}/\text{m}^2\text{h}$ ) | C <sub>(14 d)</sub><br>( $\mu\text{g}/\text{m}^2\text{h}$ ) | Allowable C <sub>(14 d)</sub> **<br>( $\mu\text{g}/\text{m}^3$ ) |
|--|------------------|--|--|---|--|
| Acetaldehyde                             | 000075-07-0      | 10   | 9  | 9   | 70   |
| Benzene                                  | 000071-43-2      | -  | -  | -   | 2  |
| Carbon disulfide                         | 000075-15-0      | -  | -  | -   | 400  |
| Carbon tetrachloride                     | 000056-23-5      | -  | -  | -   | 20   |
| Chlorobenzene                            | 000108-90-7      | -  | -  | -   | 500  |
| Chloroform                               | 000067-66-3      | -  | -  | -   | 150  |
| Dichlorobenzene (1.4-)                   | 000106-46-7      | -  | -  | -   | 400  |
| Dichloroethylene (1.1)                   | 000075-35-4      | -  | -  | -   | 35   |
| Dimethylformamide (N.N-)                 | 000068-12-2      | -  | -  | -   | 40   |
| Dioxane (1.4-)                           | 000123-91-1      | -  | -  | -   | 1500   |
| Epichlorohydrin                          | 000106-89-8      | -  | -  | -   | 2  |
| Ethylbenzene                             | 000100-41-4      | -  | -  | -   | 1000   |
| Ethylene glycol                          | 000107-21-1      | -  | -  | -   | 200  |
| Ethylene glycol monoethyl ether          | 000110-80-5      | -  | -  | -   | 35   |
| Ethylene glycol monoethyl ether acetate  | 000111-15-9      | -  | -  | -   | 150  |
| Ethylene glycol monomethyl ether         | 000109-86-4      | -  | -  | -   | 30   |
| Ethylene glycol monomethyl ether acetate | 000110-49-6      | -  | -  | -   | 45   |
| Formaldehyde                             | 000050-00-0      | 8  | 7  | 5   | 9  |
| Hexane (n-)                              | 000110-54-3      | -  | -  | -   | 3500   |
| Isophorone                               | 000078-59-1      | -  | -  | -   | 1000   |
| Isopropanol                              | 000067-63-0      | -  | -  | -   | 3500   |
| Methyl chloroform                        | 000071-55-6      | -  | -  | -   | 500  |
| Methylene chloride                       | 001634-04-4      | -  | -  | -   | 200  |
| Methyl t-butyl ether                     | 000075-09-2      | -  | -  | -   | 4000   |
| Naphthalene                              | 000091-20-3      | -  | -  | -   | 5  |
| Phenol                                   | 000108-95-2      | 2  | < 2  | < 2   | 100  |
| Propylene glycol monomethyl ether        | 000107-98-2      | -  | -  | -   | 3500   |
| Styrene                                  | 000100-42-5      | -  | -  | -   | 450  |
| Tetrachloroethylene                      | 000127-18-4      | -  | -  | -   | 18   |
| Toluene                                  | 000108-88-3      | 3  | 3  | 3   | 150  |
| Trichloroethylene                        | 000079-01-6      | -  | -  | -   | 300  |
| Vinyl acetate                            | 000108-05-4      | -  | -  | -   | 100  |
| Xylenes, technical mixture (o.m.p)       | 000095-47-6 etc. | -  | -  | -   | 350  |

- Not detected

\* CDPH 01350 (2017) Standard method for the testing and evaluation of volatile organic chemical emissions from indoor sources using environmental chambers. Version 1.2.

\*\* All maximum allowable concentrations are one-half the corresponding CREL adopted by Office of Environmental Health Hazard Assessment (OEHHA) agency of California Environmental Protection Agency (CalEPA).



Table 5: Results of tested product with individual volatile organic chemical (VOC) concentration limits according to ANSI/BIFMA e3-2019. Section 7.6.2 Annex C.

| Compound name  | CAS No.             | C <sub>(14 d)</sub><br>(µg/m <sup>3</sup> h) | Open plan maximum<br>allowable emission<br>factor<br>(µg/m <sup>3</sup> h) | Private office<br>maximum<br>allowable emission<br>factor<br>(µg/m <sup>3</sup> h) |
|--|---------------------|--|--|--|
| Ethylbenzene   | 000100-41-4         | -  | 689  | 1392   |
| Styrene  | 000100-42-5         | -  | 310  | 627  |
| 1,4-Dichlorobenzene                                      | 000106-46-7         | -  | 276  | 557  |
| Epichlorohydrin  | 000106-89-8         | -  | 1  | 2.1  |
| Ethylene Glycol  | 000107-21-1         | -  | 138  | 278  |
| 1-Methoxy-2-propanol (Propylene glycol monomethyl ether) | 000107-98-2         | -  | 2413   | 4874   |
| Vinyl Acetate  | 000108-05-4         | -  | 68.9   | 139  |
| Toluene  | 000108-88-3         | 3  | 103  | 209  |
| Chlorobenzene  | 000108-90-7         | -  | 345  | 696  |
| Phenol   | 000108-95-2         | < 2  | 68.9   | 139  |
| 2-Methoxyethanol   | 000109-86-4         | -  | 21   | 42   |
| Ethylene glycol monomethyl ether acetate                 | 000110-49-6         | -  | 31   | 63   |
| n-Hexane   | 000110-54-3         | -  | 2413   | 4874   |
| 2-Ethoxyethanol  | 000110-80-5         | -  | 24   | 49   |
| 2-Ethoxyethylacetate                                     | 000111-15-9         | -  | 103  | 209  |
| 1,4-Dioxane  | 000123-91-1         | -  | 1034   | 2089   |
| Tetrachloroethylene                                      | 000127-18-4         | -  | 12.1   | 24.4   |
| Formaldehyde   | 000050-00-0         | 5  | 11   | 23   |
| Isopropanol  | 000067-63-0         | -  | 2413   | 4874   |
| Chloroform   | 000067-66-3         | -  | 103  | 209  |
| N,N-Dimethyl Formamide                                   | 000068-12-2         | -  | 28   | 56   |
| Benzene  | 000071-43-2         | -  | 1  | 2.1  |
| 1,1,1-Trichloroethane                                    | 000071-55-6         | -  | 345  | 696  |
| Acetaldehyde   | 000075-07-0         | 9  | 48   | 97   |
| Methylene Chloride                                       | 000075-09-2         | -  | 138  | 278  |
| Carbon Disulfide   | 000075-15-0         | -  | 276  | 557  |
| Trichloroethylene  | 000079-01-6         | -  | 207  | 418  |
| 1-Methyl-2- Pyrrolidinone                                | 000872-50-4         | -  | 110  | 223  |
| Naphthalene  | 000091-20-3         | -  | 3  | 6  |
| Xylenes (m-,o-, p-Xylene combined)<br>etc.               | 000095-47-6<br>etc. | -  | 241  | 487  |

- Not detected



**Table 6: Compliance of tested product according to ANSI/BIFMA e3-2019 Furniture Sustainability Standard. Section 7.6 Low Emitting Furniture.**

| <b>Acceptance criteria</b>   | <b>Parameter</b>                           | <b>Evaluation<br/>Open plan office<br/>(Pass/Fail)</b> | <b>Evaluation<br/>Private office<br/>(Pass/fail)</b> |
|------------------------------|--|--|--|
| Section 7.6.1 – Prerequisite | TVOC, formaldehyde, total aldehydes, 4-PCH | Pass   | Pass   |
| Section 7.6.2 - Intermediate | Individual VOC list annex 3.               | Pass   | Pass   |
| Section 7.6.3 – Advanced     | Formaldehyde                               | Pass   | Pass   |