

# Certificate of Compliance

## Certificate

90472-420

## Issue Date

16 Jul 2018

## Expiration Date

22 Mar 2027



Raneé Valles  
Director and General Manager

UL Verification Services Inc.  
2211 Newmarket Parkway, ste 106  
Marietta, GA 30067 USA

UL Verification Services does hereby certify that an independent assessment has been conducted on behalf of:

## Haworth Europe

for the following product:

## Fern Task Chair

The product has been evaluated and meets the requirements for:

## GREENGUARD Gold

UL 2818 - 2022 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings



*UL Solutions evaluated representative samples of the identified product, process or facility to the identified Standard or other requirements in accordance with the agreements and any applicable program service terms in place between UL Solutions and the Client (collectively "Agreement"). The Client is authorized to use the UL Mark for the identified Product, process or facility covered by this certificate, in accordance with the terms of the Agreement. This Certificate is valid for the identified dates unless there is non-compliance with the Agreement. This certificate is subject to modification, suspension and withdrawal by UL Solutions see SPOT.ul.com, to authenticate the certificate.*

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## GREENGUARD Gold Certification Criteria for Office Furniture Seating

| Criteria                                | CAS Number | Maximum Allowable Predicted Concentration | Units             |
|---|------------|---|-------------------|
| TVOC <sup>(A)</sup>                     | -          | 0.22                                      | mg/m <sup>3</sup> |
| Formaldehyde                            | 50-00-0    | 4.5 (3.65 ppb)                            | µg/m <sup>3</sup> |
| Total Aldehydes <sup>(B)</sup>          | -          | 0.043                                     | ppm               |
| 4-Phenylcyclohexene                     | 4994-16-5  | 6.5                                       | µg/m <sup>3</sup> |
| 1-Methyl-2-pyrrolidinone <sup>(C)</sup> | 872-50-4   | 80  | µg/m <sup>3</sup> |
| Individual VOCs <sup>(D)</sup>          | -          | 1/4 CREL<br>or<br>1/100th TLV             | -                 |

(A) Defined to be the total response of measured VOCs falling within the C<sub>6</sub> – C<sub>16</sub> range, with responses calibrated to a toluene surrogate.

(B) The sum of all measured normal aldehydes from formaldehyde through nonanal, plus benzaldehyde, individually calibrated to a compound specific standard. Heptanal through nonanal are measured via TD/GC/MS analysis and the remaining aldehydes are measured using HPLC/UV analysis.

(C) Based on the CA Prop 65 Maximum Allowable Dose Level for inhalation of 3,200 µg/day and an inhalation rate of 20 m<sup>3</sup>/day.

(D) Allowable levels for chemicals not listed are derived from the lower of 1/4 the California Office of Environmental Health Hazard Assessment (OEHA) Chronic Reference Exposure Level (CREL) as required per the CDPH/EHLB/Standard Method v1.2 and BIFMA level credit 7.6.2 and 1/100th of the Threshold Limit Value (TLV) industrial work place standard (Reference: American Conference of Government Industrial Hygienists, 6500 Glenway, Building D-7, and Cincinnati, OH 45211-4438).



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