

CERTIFICATES OF COMPLIANCE

DUNAS^{XL}

designed — Christophe Pillet



All GREENGUARD Gold Certified products are on [UL.SPOT](https://www.ul.com/spot).
Please visit it for the latest update.



INCLASS

Overview



Lounge armchair
with steel rod base
(high backrest)
DUN0015 [certificate +](#)



Lounge armchair with 4
spoke aluminum flat base
(high backrest)
DUN0055 [certificate +](#)



Lounge armchair with 4
spoke aluminum swivel base
(high backrest)
DUN0025 [certificate +](#)



Lounge armchair with 4
spoke wooden swivel base
(high backrest)
DUN0045MA [certificate +](#)



Lounge armchair
with steel rod base
(low backrest)
DUN0010 [certificate +](#)



Lounge armchair with 4
spoke aluminum flat base
(low backrest)
DUN0050 [certificate +](#)



Lounge armchair with 4
spoke aluminum swivel base
(low backrest)
DUN0020 [certificate +](#)



Lounge armchair with 4
spoke wooden swivel base
(low backrest)
DUN0040MA [certificate +](#)



Lounge armchair with 4
wooden leg base
(low backrest)
DUN0030MA [certificate +](#)

CERTIFICATE OF COMPLIANCE



INCLASS

DUNAS XL Lounge armchair with
steel rod frame (high backrest)

224156-410

Certificate Number

04/27/2021 - 04/27/2026

Certificate Period

Certified

Status

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

Products tested in accordance with UL 2821 test method to show compliance to emission limits in UL 2818, Section 7.1.

Furniture and furnishings are tested in accordance with ANSI/BIFMA M7.1-2011 and determined to comply with ANSI/BIFMA X7.1-2011 and ANSI/BIFMA e3-2012 Credit 7.6.1. Seating products are modeled in the seating environment.



UL investigated representative samples of the identified Product(s) to the identified Standard(s) or other requirements in accordance with the agreements and any applicable program service terms in place between UL and the Certificate Holder (collectively "Agreement"). The Certificate Holder is authorized to use the UL Mark for the identified Product(s) manufactured at the production site(s) covered by the UL Test Report, in accordance with the terms of the Agreement. This Certificate is valid for the identified dates unless there is non-compliance with the Agreement.

CERTIFICATE OF COMPLIANCE

GREENGUARD Certification Criteria for Mattresses, Bedding, Component Materials and Seating Units

Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC ^(A)	-	0.25	mg/m ³
Formaldehyde	50-00-0	30.7 (25 ppb)	µg/m ³
Total Aldehydes ^(B)	-	0.05	ppm
4-Phenylcyclohexene ^(C)	4994-16-5	3.25	µg/m ³
Individual VOCs ^(D)	-	1/10th TLV	-

^(A) Defined to be the total response of measured VOCs falling within the C₆ – C₁₆ 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) Applicable to flooring and furniture, including component materials.

^(D) Allowable levels for chemicals not listed are derived from 1/10th 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).



CERTIFICATE OF COMPLIANCE



INCLASS

DUNAS XL Lounge armchair with
4 spoke aluminum flat base (high
backrest)

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

224154-410

Certificate Number

04/27/2021 - 04/27/2026

Certificate Period

Certified

Status

Products tested in accordance with UL 2821 test method to show compliance to emission limits in UL 2818, Section 7.1.

Furniture and furnishings are tested in accordance with ANSI/BIFMA M7.1-2011 and determined to comply with ANSI/BIFMA X7.1-2011 and ANSI/BIFMA e3-2012 Credit 7.6.1. Seating products are modeled in the seating environment.



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CERTIFICATE OF COMPLIANCE

GREENGUARD Certification Criteria for Mattresses, Bedding, Component Materials and Seating Units

Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC ^(A)	-	0.25	mg/m ³
Formaldehyde	50-00-0	30.7 (25 ppb)	µg/m ³
Total Aldehydes ^(B)	-	0.05	ppm
4-Phenylcyclohexene ^(C)	4994-16-5	3.25	µg/m ³
Individual VOCs ^(D)	-	1/10th TLV	-

^(A) Defined to be the total response of measured VOCs falling within the C₆ – C₁₆ 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) Applicable to flooring and furniture, including component materials.

^(D) Allowable levels for chemicals not listed are derived from 1/10th 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).



CERTIFICATE OF COMPLIANCE



INCLASS

DUNAS XL Lounge armchair with
4 spoke aluminum swivel base
(high backrest)

224152-410

Certificate Number

04/27/2021 - 04/27/2026

Certificate Period

Certified

Status

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

Products tested in accordance with UL 2821 test method to show compliance to emission limits in UL 2818, Section 7.1.

Furniture and furnishings are tested in accordance with ANSI/BIFMA M7.1-2011 and determined to comply with ANSI/BIFMA X7.1-2011 and ANSI/BIFMA e3-2012 Credit 7.6.1. Seating products are modeled in the seating environment.



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CERTIFICATE OF COMPLIANCE

GREENGUARD Certification Criteria for Mattresses, Bedding, Component Materials and Seating Units

Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC ^(A)	-	0.25	mg/m ³
Formaldehyde	50-00-0	30.7 (25 ppb)	µg/m ³
Total Aldehydes ^(B)	-	0.05	ppm
4-Phenylcyclohexene ^(C)	4994-16-5	3.25	µg/m ³
Individual VOCs ^(D)	-	1/10th TLV	-

^(A) Defined to be the total response of measured VOCs falling within the C₆ – C₁₆ 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) Applicable to flooring and furniture, including component materials.

^(D) Allowable levels for chemicals not listed are derived from 1/10th 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).



CERTIFICATE OF COMPLIANCE



INCLASS

DUNAS XL Lounge armchair with
4 spoke wooden swivel base (high
backrest)

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

224158-410

Certificate Number

04/27/2021 - 04/27/2026

Certificate Period

Certified

Status

Products tested in accordance with UL 2821 test method to show compliance to emission limits in UL 2818, Section 7.1.

Furniture and furnishings are tested in accordance with ANSI/BIFMA M7.1-2011 and determined to comply with ANSI/BIFMA X7.1-2011 and ANSI/BIFMA e3-2012 Credit 7.6.1. Seating products are modeled in the seating environment.



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CERTIFICATE OF COMPLIANCE

GREENGUARD Certification Criteria for Mattresses, Bedding, Component Materials and Seating Units

Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC ^(A)	-	0.25	mg/m ³
Formaldehyde	50-00-0	30.7 (25 ppb)	µg/m ³
Total Aldehydes ^(B)	-	0.05	ppm
4-Phenylcyclohexene ^(C)	4994-16-5	3.25	µg/m ³
Individual VOCs ^(D)	-	1/10th TLV	-

^(A) Defined to be the total response of measured VOCs falling within the C₆ – C₁₆ 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) Applicable to flooring and furniture, including component materials.

^(D) Allowable levels for chemicals not listed are derived from 1/10th 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).



CERTIFICATE OF COMPLIANCE



INCLASS

DUNAS XL Lounge armchair with
steel rod frame (low backrest)

224157-410

Certificate Number

04/27/2021 - 04/27/2026

Certificate Period

Certified

Status

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

Products tested in accordance with UL 2821 test method to show compliance to emission limits in UL 2818, Section 7.1.

Furniture and furnishings are tested in accordance with ANSI/BIFMA M7.1-2011 and determined to comply with ANSI/BIFMA X7.1-2011 and ANSI/BIFMA e3-2012 Credit 7.6.1. Seating products are modeled in the seating environment.



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CERTIFICATE OF COMPLIANCE

GREENGUARD Certification Criteria for Mattresses, Bedding, Component Materials and Seating Units

Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC ^(A)	-	0.25	mg/m ³
Formaldehyde	50-00-0	30.7 (25 ppb)	µg/m ³
Total Aldehydes ^(B)	-	0.05	ppm
4-Phenylcyclohexene ^(C)	4994-16-5	3.25	µg/m ³
Individual VOCs ^(D)	-	1/10th TLV	-

^(A) Defined to be the total response of measured VOCs falling within the C₆ – C₁₆ 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) Applicable to flooring and furniture, including component materials.

^(D) Allowable levels for chemicals not listed are derived from 1/10th 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).



CERTIFICATE OF COMPLIANCE



INCLASS

DUNAS XL Lounge armchair with
4 spoke aluminum flat base (low
backrest)

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

224155-410

Certificate Number

04/27/2021 - 04/27/2026

Certificate Period

Certified

Status

Products tested in accordance with UL 2821 test method to show compliance to emission limits in UL 2818, Section 7.1.

Furniture and furnishings are tested in accordance with ANSI/BIFMA M7.1-2011 and determined to comply with ANSI/BIFMA X7.1-2011 and ANSI/BIFMA e3-2012 Credit 7.6.1. Seating products are modeled in the seating environment.



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CERTIFICATE OF COMPLIANCE

GREENGUARD Certification Criteria for Mattresses, Bedding, Component Materials and Seating Units

Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC ^(A)	-	0.25	mg/m ³
Formaldehyde	50-00-0	30.7 (25 ppb)	µg/m ³
Total Aldehydes ^(B)	-	0.05	ppm
4-Phenylcyclohexene ^(C)	4994-16-5	3.25	µg/m ³
Individual VOCs ^(D)	-	1/10th TLV	-

^(A) Defined to be the total response of measured VOCs falling within the C₆ – C₁₆ 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) Applicable to flooring and furniture, including component materials.

^(D) Allowable levels for chemicals not listed are derived from 1/10th 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).



CERTIFICATE OF COMPLIANCE



INCLASS

DUNAS XL Lounge armchair with
4 spoke aluminum swivel base
(low backrest)

224153-410

Certificate Number

04/27/2021 - 04/27/2026

Certificate Period

Certified

Status

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

Products tested in accordance with UL 2821 test method to show compliance to emission limits in UL 2818, Section 7.1.

Furniture and furnishings are tested in accordance with ANSI/BIFMA M7.1-2011 and determined to comply with ANSI/BIFMA X7.1-2011 and ANSI/BIFMA e3-2012 Credit 7.6.1. Seating products are modeled in the seating environment.



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CERTIFICATE OF COMPLIANCE

GREENGUARD Certification Criteria for Mattresses, Bedding, Component Materials and Seating Units

Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC ^(A)	-	0.25	mg/m ³
Formaldehyde	50-00-0	30.7 (25 ppb)	µg/m ³
Total Aldehydes ^(B)	-	0.05	ppm
4-Phenylcyclohexene ^(C)	4994-16-5	3.25	µg/m ³
Individual VOCs ^(D)	-	1/10th TLV	-

^(A) Defined to be the total response of measured VOCs falling within the C₆ – C₁₆ 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) Applicable to flooring and furniture, including component materials.

^(D) Allowable levels for chemicals not listed are derived from 1/10th 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).



CERTIFICATE OF COMPLIANCE



INCLASS

DUNAS XL Lounge armchair with
4 spoke wooden swivel base (low
backrest)

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

224159-410

Certificate Number

04/27/2021 - 04/27/2026

Certificate Period

Certified

Status

Products tested in accordance with UL 2821 test method to show compliance to emission limits in UL 2818, Section 7.1.

Furniture and furnishings are tested in accordance with ANSI/BIFMA M7.1-2011 and determined to comply with ANSI/BIFMA X7.1-2011 and ANSI/BIFMA e3-2012 Credit 7.6.1. Seating products are modeled in the seating environment.



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CERTIFICATE OF COMPLIANCE

GREENGUARD Certification Criteria for Mattresses, Bedding, Component Materials and Seating Units

Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC ^(A)	-	0.25	mg/m ³
Formaldehyde	50-00-0	30.7 (25 ppb)	µg/m ³
Total Aldehydes ^(B)	-	0.05	ppm
4-Phenylcyclohexene ^(C)	4994-16-5	3.25	µg/m ³
Individual VOCs ^(D)	-	1/10th TLV	-

^(A) Defined to be the total response of measured VOCs falling within the C₆ – C₁₆ range, with responses calibrated to a toluene surrogate.

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CERTIFICATE OF COMPLIANCE



INCLASS

DUNAS XL Lounge armchair with
4 wooden leg frame (low
backrest)

224160-410

Certificate Number

04/27/2021 - 04/27/2026

Certificate Period

Certified

Status

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

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Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC ^(A)	-	0.25	mg/m ³
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Individual VOCs ^(D)	-	1/10th TLV	-

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