ALTEA designed — Jorge Pensi



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INCLASS

Overview



Armchair with XL high back (5 spoke aluminum swivel base on casters + tilt mechanism) ALT0175BA certificate +



Armchair with high back (5 spoke aluminum swivel base on caster + tilt mechanism) ALT0075BA <u>certificate</u> +



Armchair with low back (5 spoke aluminum swivel base on casters + tilt mechanism) ALT0070BA certificate +



Armchair with low backrest and 4 leg frame ALT0040 <u>certificate +</u>



Low backrest armchair with 4 wooden leg base ALT0030MA <u>certificate</u> +



Low backrest armchair with 4 spoke steel swivel base ALT0050 <u>certificate +</u>



Armchair with XL high back and 5 spoke aluminum swivel base on casters ALT0165GG <u>certificate +</u>



Armchair with high back and 5 spoke aluminum swivel base on casters ALT0065GG certificate +



Armchair with low back and 5 spoke aluminum swivel base on casters ALT0060GG <u>certificate</u> +



Armchair with low backrest and cantilever base ALT0080 <u>certificate +</u>



Armchair with low backrest and sled frame ALTO010 <u>certificate +</u>



INCLASS

ALTEA XL high backrest armchair w/ 5 spoke aluminum base (tilt mechanism) w/ casters

222977-410

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.



Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC _(A)	-	0.25	mg/m³
Formaldehyde	50-00-0	30.7 (25 ppb)	μg/m³
Total Aldehydes (B)	-	0.05	ppm
4-Phenylcyclohexene (C)	4994-16-5	3.25	μg/m³
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).



INCLASS

ALTEA High backrest armchair w/ 5 spoke aluminum base (tilt mechanism) w/ casters 222971-410

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.



Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC _(A)	-	0.25	mg/m³
Formaldehyde	50-00-0	30.7 (25 ppb)	μg/m³
Total Aldehydes (B)	-	0.05	ppm
4-Phenylcyclohexene (C)	4994-16-5	3.25	μg/m³
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).



INCLASS

ALTEA Low backrest armchair w/ 5 spoke aluminum base (tilt mechanism) w/ casters 222970-410

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.



Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC _(A)	-	0.25	mg/m³
Formaldehyde	50-00-0	30.7 (25 ppb)	μg/m³
Total Aldehydes (B)	-	0.05	ppm
4-Phenylcyclohexene (C)	4994-16-5	3.25	μg/m³
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).



INCLASS

ALTEA Low backrest armchair w/ 4 leg frame

222965-410

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.



Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC _(A)	-	0.25	mg/m³
Formaldehyde	50-00-0	30.7 (25 ppb)	μg/m³
Total Aldehydes (B)	-	0.05	ppm
4-Phenylcyclohexene (C)	4994-16-5	3.25	μg/m³
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).



INCLASS

ALTEA Low backrest armchair w/ 4 wooden leg frame 224049-410

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.



Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC _(A)	-	0.25	mg/m³
Formaldehyde	50-00-0	30.7 (25 ppb)	μg/m³
Total Aldehydes (B)	-	0.05	ppm
4-Phenylcyclohexene (C)	4994-16-5	3.25	μg/m³
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).



INCLASS

ALTEA Low backrest armchair w/ 4 spoke steel swivel base 222966-410

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.



Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC _(A)	-	0.25	mg/m³
Formaldehyde	50-00-0	30.7 (25 ppb)	μg/m³
Total Aldehydes (B)	-	0.05	ppm
4-Phenylcyclohexene (C)	4994-16-5	3.25	μg/m³
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).



INCLASS

ALTEA XL high backrest armchair w/ 5 spoke aluminum base (swivel) w/ casters

222976-410

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.



Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC _(A)	-	0.25	mg/m³
Formaldehyde	50-00-0	30.7 (25 ppb)	μg/m³
Total Aldehydes (B)	-	0.05	ppm
4-Phenylcyclohexene (C)	4994-16-5	3.25	μg/m³
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).



INCLASS

ALTEA High backrest armchair w/ 5 spoke aluminum base (swivel) w/ casters 222969-410

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.



Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC _(A)	-	0.25	mg/m³
Formaldehyde	50-00-0	30.7 (25 ppb)	μg/m³
Total Aldehydes (B)	-	0.05	ppm
4-Phenylcyclohexene (C)	4994-16-5	3.25	μg/m³
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).



INCLASS

ALTEA Low backrest armchair w/ 5 spoke aluminum base (swivel) w/ casters 222968-410

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.



Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC _(A)	-	0.25	mg/m³
Formaldehyde	50-00-0	30.7 (25 ppb)	μg/m³
Total Aldehydes (B)	-	0.05	ppm
4-Phenylcyclohexene (C)	4994-16-5	3.25	μg/m³
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).



INCLASS

ALTEA Low backrest armchair w/ cantilever frame

222972-410

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.



Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC _(A)	-	0.25	mg/m³
Formaldehyde	50-00-0	30.7 (25 ppb)	μg/m³
Total Aldehydes (B)	-	0.05	ppm
4-Phenylcyclohexene (C)	4994-16-5	3.25	μg/m³
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).



INCLASS

ALTEA Low backrest armchair w/sled frame

222963-410

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.



Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC _(A)	-	0.25	mg/m³
Formaldehyde	50-00-0	30.7 (25 ppb)	μg/m³
Total Aldehydes (B)	-	0.05	ppm
4-Phenylcyclohexene (C)	4994-16-5	3.25	μg/m³
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).