

Test report

T-25365888-06-R1



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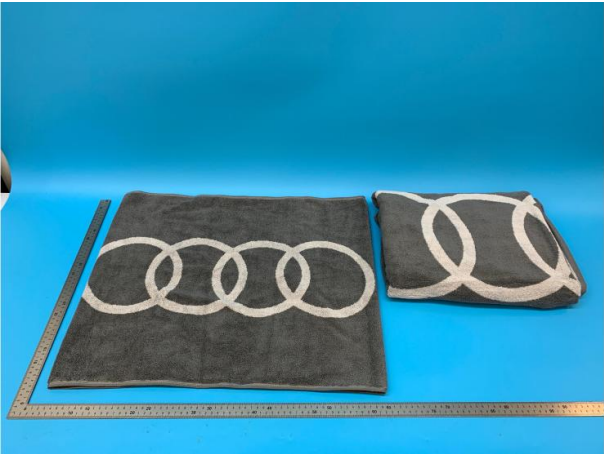
Overall result

Pass with information

Please refer to the following pages for test result summary and notes.

Client information

Client: Frottana Textil GmbH & Co. KG
 Address: Walterdorferstrasse 54, Grossschoenau,
 02779 Germany



Sample information

Description: Audi Towels	Labeled age grade: -
Country of origin: -	Tested age grade: -
Country of distribution: -	
Quantity submitted: 16 pcs + 1 lot parts	

General information

Sample receipt date: 01-Jul-2025	Report date: 25-Jul-2025
Testing period: 04-Jul-2025 to 15-Jul-2025	
24-Jul-2025 to 25-Jul-2025	



General information

QIMA Hansecontrol Testing Service (Dongguan) Co. Ltd.

Sikin Wang
Leader, Chemical Laboratory

QIMA Hansecontrol Testing Service (Dongguan) Co. Ltd.

Joe Jiang
Supervisor, Physical Laboratory

QIMA Hansecontrol Testing Service (Dongguan) Co. Ltd.

Alex Ye
Supervisor, Textile Laboratory



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Result summary

At the request of the client, the following test were conducted:

Test(s) conducted	Conclusion
Regulation (EC) No 1907/2006 REACH Annex XVII Item 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) - Cadmium, Hexavalent Chromium, Arsenic, Lead and Their Compounds	Pass
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 61 - Dimethyl Fumarate Content	Pass
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 43 Azocolorants in Textiles	Pass
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 46a, Nonylphenol ethoxylates	Pass
Regulation (EC) No 1907/2006 REACH Annex XVII Item 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) - Chlorinated Aromatic Hydrocarbons	Pass
Regulation (EC) No 1907/2006 REACH Annex XVII Item 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) - Carcinogenic Dyes and Allergenic Dyes content	Pass
Regulation (EC) No. 1907/2006-REACH-Quinoline Content (Entry 72)	Pass
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 20 Organostannic Compounds	Pass
Regulation (EC) No 1907/2006 REACH Annex XVII Item 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) - Formaldehyde	Pass
Regulation (EC) No 1907/2006 REACH Annex XVII Item 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) -Aromatic Amine Salts	Pass
Client's Requirement, Determination of pH of Aqueous Extract in Textiles	Pass
Regulation (EU) No. 2019/1021 Persistent Organic Pollutants, ANNEX I and its amendment (EU) 2021/277 - Pentachlorophenol and its Salts and Esters Content	Pass
GB 31701-2015 Safety Technical Code for Infants and Children Textile Products, Determination of pH of Aqueous Extract	Pass
GB 31701-2015 Safety Technical Code for Infants and Children Textile Products, Formaldehyde	Pass
GB 31701-2015 Safety Technical Code for Infants and Children Textile Products, Azocolorants	Pass
19 CFR 134.11-Country of Origin-Labeling Review	Pass
Uniform Packaging and Labeling Regulation	Pass
Consumer Packaging and Labeling Act (R.S., 1985, c. C-38)	Pass
Consumer Packaging and Labelling Regulation (C.R.C., c. 417)	Pass
Regulation (EU) 2023/988 Article 9-General Product Safety Regulation (GPSR)-Labeling Review	Pass
CAN/CGSB 86.1-Textiles-Labeling Review (Care Label)	Pass
16 CFR 423-Textiles-Labeling Review (Care Label)	Pass
R.S.C, 1985 c. T-10 / C.R.C. c. 1551-Textile Labeling Act / Textile Labelling and Advertising Regulations- Labelling Review (Fiber Content)	Pass
16 CFR 303-Textiles-Labeling Review (Fiber Content)	Pass
ISO 3758-Textiles-Labeling Review (Care Label)	Pass
Regulation (EU) No. 1007/2011-Textile Products-Labeling Review (Fiber Content)	Pass





Test(s) conducted	Conclusion
16 CFR Part 1610-Clothing Textiles- Flammability of Clothing textiles	Pass
Canadian Textile Flammability Regulations SOR/2016-194, Non-bedding Textile	Pass
GB/T 5296.4-2012-Textiles and Apparels-Labeling Review	Pass
GB 31701-Infants and Children Textile Products-Odour	Pass
GB/T 2910-Textiles-Fibre content	Pass
GB/T 3921-Textiles-Colourfastness to Washing	Pass
GB/T 3920-Textiles-Colourfastness to Rubbing	Pass
GB/T 3922-Textiles-Colourfastness to Perspiration	Pass
GB/T 5713-Textiles-Colourfastness to water	Pass
GB/T 18886-Textiles-Colourfastness to Saliva	Pass
GB/T 14644-Textiles-Flammability of Textiles	Pass
GB/T 4669-Textiles-Mass of Fabrics	Information only
GB/T 3923.1-Textiles-Breaking Strength and Elongation	Pass
Fiber shedding of towel products ^φ	Pass
Hydroscopicity of towel products ^φ	Pass

Note:

Test(s) marked with “^φ” indicate tests performed in external laboratories.



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Detailed results

Regulation (EC) No 1907/2006 REACH Annex XVII Item 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) - Cadmium, Hexavalent Chromium, Arsenic, Lead and Their Compounds

Test Method: EN 16711-2:2015, ISO 17075-1:2017
Analytical Method: Inductively Coupled Plasma-Mass Spectrometry

Specimen No.	C1	---	---	---	Migratable Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Cadmium and its Compounds ^Δ	ND	---	---	---	1
Chromium VI Compounds ^Δ	ND	---	---	---	1
Arsenic Compounds ^Δ	ND	---	---	---	1
Lead and its Compounds ^Δ	ND	---	---	---	1
Conclusion	Pass	---	---	---	

Note:
mg/kg (Milligrams per kilogram) = ppm (Parts per million)
LT = Less than
ND = Not detected (Reporting Limit = 0.5 mg/kg)
Δ = Determination was based on elemental analysis. The content was calculated based on assumption of worst-case.



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Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 61 - Dimethyl Fumarate Content

Test Method: In house method
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		C1	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Dimethyl Fumarate (DMFu)	624-49-7	ND	---	---	0.1
Conclusion		Pass	---	---	

Note:

mg/kg = milligram per kilogram by mass

LT = Less than

ND = Not detected (Reporting Limit = 0.1 mg/kg)



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Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 43 Azocolorants in Textiles

Test Method: EN ISO 14362-1:2017
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		C1	---	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
4-aminobiphenyl	92-67-1	ND	---	---	---	30
Benzidine	92-87-5	ND	---	---	---	30
4-chloro-o-toluidine	95-69-2	ND	---	---	---	30
2-naphtylamine	91-59-8	ND	---	---	---	30
o-Aminoazotoluene	97-56-3	ND	---	---	---	30
5-nitro-o-toluidine	99-55-8	ND	---	---	---	30
4-chloroaniline	106-47-8	ND	---	---	---	30
2,4-diaminoanisoie	615-05-4	ND	---	---	---	30
4,4'-methylenedianiline	101-77-9	ND	---	---	---	30
3,3'-dichlorobenzidine	91-94-1	ND	---	---	---	30
o-dianisidine	119-90-4	ND	---	---	---	30
3,3'-dimethylbenzidine	119-93-7	ND	---	---	---	30
4,4'-methylenedi-o-toluidine	838-88-0	ND	---	---	---	30
p-cresidine	120-71-8	ND	---	---	---	30
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	ND	---	---	---	30
4,4'-oxydianiline	101-80-4	ND	---	---	---	30
4,4'-thiodianiline	139-65-1	ND	---	---	---	30
o-toluidine	95-53-4	ND	---	---	---	30
2,4-diaminotoluene	95-80-7	ND	---	---	---	30
2,4,5-trimethylaniline	137-17-7	ND	---	---	---	30
2-methoxyaniline	90-04-0	ND	---	---	---	30
4-aminoazobenzene	60-09-3	ND	---	---	---	30
Conclusion		Pass	---	---	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 5 mg/kg)

Composite results are based on total mass of the composite test portion.

Remark:

In the case of levels per amine component less than or equal to 30 mg/kg, according to the analysis as carried out, azo colorants which can release one or more of certain listed amines by cleavage of their azo group/s were not detected in the commodity submitted.



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Detailed results

In the case of levels per amine component more than 30 mg/kg, the analytical result suggests that the commodity submitted has been manufactured or treated using azo colorant/s which can release one or more of certain listed amines by cleavage of their azo group/s.

The analytical result of detected amine is confirmed by LC-DAD / LC-MS.





Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 46a, Nonylphenol ethoxylates

Test Method: In-House Method
Analytical Method: Liquid Chromatography with Mass Spectrometry

Specimen No.		C1	---	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Nonylphenol ethoxylates (NPEO)	9016-45-9	ND	---	---	---	100
Conclusion		Pass	---	---	---	

Note:

mg/kg (Milligrams per kilogram) = ppm (Parts per million) = 0.0001 % m/m (Percent by mass)

LT = Less than

ND = Not detected (Reporting Limit = 20 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.



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Detailed results

Regulation (EC) No 1907/2006 REACH Annex XVII Item 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) - Chlorinated Aromatic Hydrocarbons

Test Method: DIN EN 17137:2019
Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Specimen No.		C1	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
$\alpha,\alpha,\alpha,4$ -tetrachlorotoluene; p-chlorobenzotrichloride	5216-25-1	ND	---	---	1
α, α,α -trichlorotoluene; benzotrichloride	98-07-7	ND	---	---	1
α -chlorotoluene; benzyl chloride	100-44-7	ND	---	---	1
Conclusion		Pass	---	---	

Note:

mg/kg (Milligrams per kilogram) = ppm (Parts per million)

LT = Less than

ND = Not detected (Reporting Limit = 0.3 mg/kg)



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Detailed results

Regulation (EC) No 1907/2006 REACH Annex XVII Item 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) - Carcinogenic Dyes and Allergenic Dyes content

Test Method: DIN 54231:2022-09
Analytical Method: Liquid Chromatography-Mass Spectrometer (LC-MS)

Specimen No.	C1	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
C.I. Disperse Blue 1	ND	---	---	---	---	50
C.I. Basic Red 9	ND	---	---	---	---	50
C.I. Basic Violet 3 with ≥ 0.1% of Michler's ketone	ND	---	---	---	---	50
Conclusion	Pass	---	---	---	---	

Note:
mg/kg (Milligrams per kilogram) = ppm (Parts per million)
LT = Less than
ND = Not detected (Reporting Limit = 15 mg/kg)
Composite results are based on specimen of least mass resulting in highest potential concentration.





Detailed results

Regulation (EC) No. 1907/2006-REACH-Quinoline Content (Entry 72)

Test Method: With reference to DIN 54231:2022-09
Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Specimen No.		C1	---	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Quinoline	91-22-5	ND	---	---	---	50
Conclusion		Pass	---	---	---	

Note:

mg/kg (Milligrams per kilogram) = ppm (Parts per million)

LT = Less than

ND = Not detected. Result value is less than reporting limit (Reporting Limit = 5 mg/kg).

Composite results are based on specimen of least mass resulting in highest potential concentration.



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Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 20 Organostannic Compounds

Test Method: In-House Method
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.	C1	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Tributyltin (TBT)	ND	---	---	---	---	
Triphenyltin (TPhT)	ND	---	---	---	---	
Sum of TBT and TPhT	ND	---	---	---	---	1000
Dibutyltin (DBT)	ND	---	---	---	---	1000
Dioctyltin (DOT)	ND	---	---	---	---	1000
Conclusion	Pass	---	---	---	---	

Note:
mg/kg = Milligrams per kilogram
LT = Less than
ND = Not detected (Reporting Limit = 10 mg/kg)
If composite test is applied, composite results are based on specimen of least mass resulting in highest potential concentration.



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Detailed results

Regulation (EC) No 1907/2006 REACH Annex XVII Item 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) - Formaldehyde

Test Method: ISO 14184-1:2011
Analytical Method: Ultraviolet-Visible Spectrophotometry

Specimen No.	C1	---	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Formaldehyde	50-00-0	ND	---	---	75
Conclusion	Pass	---	---	---	

Note:

mg/kg (Milligrams per kilogram) = ppm (Parts per million)

LT = Less than

ND = Not detected (Reporting Limit = 16 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.



Verify Report



Detailed results

Regulation (EC) No 1907/2006 REACH Annex XVII Item 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) -Aromatic Amine Salts

Test Method: EN ISO 14362-1:2017
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		C1	---	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
4-chloro-o-toluidinium chloride ^Δ	3165-93-3	ND	---	---	---	30
2-Naphthylammoniumacetate ^Δ	553-00-4	ND	---	---	---	30
2,4-diaminoanisole sulphate ^Δ	39156-41-7	ND	---	---	---	30
2,4,5-trimethylaniline hydrochloride ^Δ	21436-97-5	ND	---	---	---	30
Conclusion		Pass	---	---	---	

Note:
mg/kg (Milligrams per kilogram) = ppm (Parts per million)
LT = Less than
ND = Not detected (Reporting Limit = 10 mg/kg)
^Δ = Determination was based on aromatic amines analysis. The content was calculated based on assumption of worst-case.
Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:
The analytical result of detected amine is confirmed by LC-DAD / LC-MS.



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Detailed results

Client's Requirement, Determination of pH of Aqueous Extract in Textiles

Test Method: ISO 3071:2020 (Textile)
Analytical Method: pH Meter

Specimen No.	C1	---	---	---	---	Limit
Test Item	Result	Result	Result	Result	Result	
pH-Value	6.0	---	---	---	---	4.0-7.5
Conclusion	Pass	---	---	---	---	

Note:

NA = Not Applicable

pH value of extraction solution (0.1 mol/L potassium chloride solution) = 5.7 (in 23.2°C)



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Detailed results

Regulation (EU) No. 2019/1021 Persistent Organic Pollutants, ANNEX I and its amendment (EU) 2021/277 - Pentachlorophenol and its Salts and Esters Content

Test Method: EN ISO 17070:2015 (leather)
Modified EN ISO 17070:2015 alternative extraction with KOH (other materials)
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.	C1	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Pentachlorophenol (PCP) and its Salts and Esters	ND	---	---	---	5
Conclusion	Pass	---	---	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected. Result value is less than reporting limit (Reporting Limit = 1 mg/kg).



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Detailed results

GB 31701-2015 Safety Technical Code for Infants and Children Textile Products, Determination of pH of Aqueous Extract

Test Method: GB/T 7573-2009
Analytical Method: pH Meter

Category A: Textile products for infants

Specimen No.	C1	---	---	---	---	Limit
Test Item	Result	Result	Result	Result	Result	
pH-Value	6.0	---	---	---	---	4.0 – 7.5
Conclusion	Pass	---	---	---	---	

Note:

NA = Not applicable

pH value of extraction solution (0.1 mol/L potassium chloride solution) = 5.7 (in 23.2°C)





Detailed results

GB 31701-2015 Safety Technical Code for Infants and Children Textile Products, Formaldehyde

Test Method: GB/T 2912.1-2009
Analytical Method: Ultraviolet-Visible Spectrophotometry

Category A: Textile products for infants

Specimen No.		C1	---	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Formaldehyde	50-00-0	ND	---	---	---	20
Conclusion		Pass	---	---	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected. Result value is less than reporting limit (Reporting Limit = 20 mg/kg)



Verify Report



Detailed results

GB 31701-2015 Safety Technical Code for Infants and Children Textile Products, Azocolorants

Test Method: GB/T 17592-2024
Analytical Method: Gas Chromatography with Mass Spectrometry, Liquid Chromatography with Diode Array Detection

Category A: Textile products for infants

Specimen No.		C1	---	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
4-aminobiphenyl	92-67-1	ND	---	---	---	20
Benzidine	92-87-5	ND	---	---	---	20
4-chloro-o-toluidine	95-69-2	ND	---	---	---	20
2-naphtylamine	91-59-8	ND	---	---	---	20
o-Aminoazotoluene	97-56-3	ND	---	---	---	20
5-nitro-o-toluidine	99-55-8	ND	---	---	---	20
4-chloroaniline	106-47-8	ND	---	---	---	20
2,4-diaminoanisole	615-05-4	ND	---	---	---	20
4,4'-methylenedianiline	101-77-9	ND	---	---	---	20
3,3'-dichlorobenzidine	91-94-1	ND	---	---	---	20
o-dianisidine	119-90-4	ND	---	---	---	20
3,3'-dimethylbenzidine	119-93-7	ND	---	---	---	20
4,4'-methylenedi-o-toluidine	838-88-0	ND	---	---	---	20
p-cresidine	120-71-8	ND	---	---	---	20
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	ND	---	---	---	20
4,4'-oxydianiline	101-80-4	ND	---	---	---	20
4,4'-thiodianiline	139-65-1	ND	---	---	---	20
o-toluidine	95-53-4	ND	---	---	---	20
2,4-diaminotoluene	95-80-7	ND	---	---	---	20
2,4,5-trimethylaniline	137-17-7	ND	---	---	---	20
2-methoxyaniline	90-04-0	ND	---	---	---	20
4-aminoazobenzene	60-09-3	ND	---	---	---	20
2,4 - xyldine	95-68-1	ND	---	---	---	20
2,6 - xyldine	87-62-7	ND	---	---	---	20
Conclusion		Pass	---	---	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than; MT = More than

ND = Not detected. Result value is less than reporting limit (Reporting Limit = 5 mg/kg)

Remark:

The analytical result of detected amine is confirmed by LC-DAD.





Detailed results

19 CFR 134.11–Country of Origin–Labeling Review

Test	Observation	Conclusion
Country of Origin	Present on product and can be read easily by consumer at the point of sale	Pass

Uniform Packaging and Labeling Regulation

Test	Observation	Conclusion
Declaration of Identity	The packaging contains the declaration of identity	Pass
Declaration of Responsibility	The packaging contains the declaration of responsibility	Pass





Detailed results

Consumer Packaging and Labeling Act (R.S., 1985, c. C-38)

Section	Requirement	Conclusion
10	Identity and Principal Place of Business	Pass

Consumer Packaging and Labelling Regulation (C.R.C., c. 417)

Section	Requirement	Conclusion
13	Identity and Principal Place of Business	Pass
6(2), (8) & (9)	Language	Pass





Detailed results

Regulation (EU) 2023/988 Article 9-General Product Safety Regulation (GPSR)-Labeling Review

Test	Observation	Conclusion
Regulation (EU) 2023/988 General Product Safety Regulation (GPSR) Article 9 (5),(6) & (7) Labeling Review	A type, batch or serial number or other element enabling the identification of the product are present. Name, registered trade name or registered trade mark, complete contact address and electronic address are present.	Pass



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Detailed results

CAN/CGSB 86.1-Textiles-Labeling Review (Care Label)

Test Method: CAN/CGSB-86.1-2003, Visual Check

Specimen No.	T2	
Test Parameters	Observation	Result
1. Care symbols on the products, on the label or on the wrappers shall be clearly legible, and they may be produced by printing, weaving, or other suitable means.	Comply	Pass
2. Care label must be affixed to the textile article in permanently. It may also be desirable to repeat the care symbols on the package of prepackage goods, hang tags, adhesive stickers or other non-permanent labels. Point-of-sale labels (Piece Goods)-Care label shall be affixed to the end of the bolt core or the spool on which the goods are displayed for sale, or in such a way that the care information is clearly visible to the consumer.	Comply	Pass
3. The five basic symbols and the restorative treatment that they represent are as follows with the main descriptive marking cross, bars and dots added to the basic symbols: Washtub-Washing Triangle-Bleaching instruction Square-Drying instruction Hand Iron-Ironing instruction Circle-Professional Textile care	Comply	Pass
4. The symbols shown on a textile, on a label or on the wrappers shall appear in the order of washing, bleaching, drying, ironing, professional care. --The laundering process shall be represented by a minimum of four care symbols of washing, bleaching, drying and ironing. The professional care process shall be represented, as a minimum, by the dry-cleaning symbol. --On a textile that is washable but not professional textile care, it is desirable that the symbol warning against professional textile care be shown along with the appropriate washing symbols. --on a textile that is not washable but just professional care, it is desirable that the symbol warning against washing be shown along with the appropriate professional care.	Comply	Pass
5.If necessary, the supplementary care information shall be shown in words in consistent with the symbols, provided that the words are English and French and be legible.	Comply	Pass
Conclusion	Pass	



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Detailed results

Specimen No.	T4	
Test Parameters	Observation	Result
1. Care symbols on the products, on the label or on the wrappers shall be clearly legible, and they may be produced by printing, weaving, or other suitable means.	Comply	Pass
2. Care label must be affixed to the textile article in permanently. It may also be desirable to repeat the care symbols on the package of prepackage goods, hang tags, adhesive stickers or other non-permanent labels. Point-of-sale labels (Piece Goods)-Care label shall be affixed to the end of the bolt core or the spool on which the goods are displayed for sale, or in such a way that the care information is clearly visible to the consumer.	Comply	Pass
3. The five basic symbols and the restorative treatment that they represent are as follows with the main descriptive marking cross, bars and dots added to the basic symbols: Washtub-Washing Triangle-Bleaching instruction Square-Drying instruction Hand Iron-Ironing instruction Circle-Professional Textile care	Comply	Pass
4. The symbols shown on a textile, on a label or on the wrappers shall appear in the order of washing, bleaching, drying, ironing, professional care. --The laundering process shall be represented by a minimum of four care symbols of washing, bleaching, drying and ironing. The professional care process shall be represented, as a minimum, by the dry-cleaning symbol. --On a textile that is washable but not professional textile care, it is desirable that the symbol warning against professional textile care be shown along with the appropriate washing symbols. --on a textile that is not washable but just professional care, it is desirable that the symbol warning against washing be shown along with the appropriate professional care.	Comply	Pass
5.If necessary, the supplementary care information shall be shown in words in consistent with the symbols, provided that the words are English and French and be legible.	Comply	Pass
Conclusion	Pass	



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Detailed results

16 CFR 423-Textiles-Labeling Review (Care Label)

Test Method: Visual Check

Specimen No.	T2	
Test Parameters	Observation	Result
1. Care label must be sewn or affixed to the products in permanently. If label is not visible through package, care label must be repeated on a hang tag, or package, or in some other conspicuous place.	Comply	Pass
2. Any item of textile wearing apparel, without pockets, that is totally reversible (i.e., the product is designed to be used with either side as the outer part or face) is exempt from the care label requirement. However, the required care information still must be given, and the care information can be put on a hang tag, on the package, or in some other conspicuous place, so that consumers will be able to see the care information before buying the product.	N/A	N/A
3. labels for textile wearing apparel must have either a washing instruction or a drycleaning instruction. If an item can be washed or drycleaned, the label needs only one of these instructions. If the product cannot be cleaned by any available cleaning method without being harmed, the label must so state.	Comply	Pass
4. If a washing instruction is included, A minimum washing instruction would include a method of washing and a method of drying.	Comply	Pass
5. If a drycleaning instruction is included, it must also state at least one type of solvent that may be used. However, if all commercially available types of solvent can be used, the label need not mention any types of solvent. The terms "Drycleanable" or "Commercially Dryclean" may not be used.	N/A	N/A
6. Certain piece goods must provide care information clearly and conspicuously on the end of each bolt or roll. Care information on the end of the bolt need only address information applicable to the fabric.	N/A	N/A
7. Detailed writing care instructions or symbol must comply to regulations for terminology, it may be contain the following information: -Washing instruction -Bleaching instruction -Drying instruction -Ironing instruction -Dry-cleaning instruction - Warning instruction (if applicable)	Comply	Pass
Conclusion	Pass	



Verify Report



Detailed results

Specimen No.	T4	
Test Parameters	Observation	Result
1. Care label must be sewn or affixed to the products in permanently. If label is not visible through package, care label must be repeated on a hang tag, or package, or in some other conspicuous place.	Comply	Pass
2. Any item of textile wearing apparel, without pockets, that is totally reversible (i.e., the product is designed to be used with either side as the outer part or face) is exempt from the care label requirement. However, the required care information still must be given, and the care information can be put on a hang tag, on the package, or in some other conspicuous place, so that consumers will be able to see the care information before buying the product.	N/A	N/A
3. labels for textile wearing apparel must have either a washing instruction or a drycleaning instruction. If an item can be washed or drycleaned, the label needs only one of these instructions. If the product cannot be cleaned by any available cleaning method without being harmed, the label must so state.	Comply	Pass
4. If a washing instruction is included, A minimum washing instruction would include a method of washing and a method of drying.	Comply	Pass
5. If a drycleaning instruction is included, it must also state at least one type of solvent that may be used. However, if all commercially available types of solvent can be used, the label need not mention any types of solvent. The terms "Drycleanable" or "Commercially Dryclean" may not be used.	N/A	N/A
6. Certain piece goods must provide care information clearly and conspicuously on the end of each bolt or roll. Care information on the end of the bolt need only address information applicable to the fabric.	N/A	N/A
7. Detailed writing care instructions or symbol must comply to regulations for terminology, it may be contain the following information: -Washing instruction -Bleaching instruction -Drying instruction -Ironing instruction -Dry-cleaning instruction - Warning instruction (if applicable)	Comply	Pass
Conclusion	Pass	

Remark: N/C = not conducted, N/A = not applicable, N/T = not test.



Verify Report



Detailed results

Canadian Textile Labeling Act (R.S.C, 1985 c. T-10) Textile Labelling and Advertising Regulations (T-10 - C.R.C. c. 1551)

Specimen No.	T2	
Test	Observation	Conclusion
Fiber Content	Present on product	Pass
Bilingual Requirement	Present French and English	Pass
Form of Label and Manner of Application	Present on product	Pass

Specimen No.	T4	
Test	Observation	Conclusion
Fiber Content	Present on product	Pass
Bilingual Requirement	Present French and English	Pass
Form of Label and Manner of Application	Present on product	Pass



Verify Report



Detailed results

16 CFR 303 Textile Fiber Products Identification Label

Specimen No.	T2	
Test	Observation	Conclusion
Fiber Content Label	Present on product and can be seen at point-of -sale	Pass
RN# Or Company Name	Present on label	Pass
Country of Origin	Present on label	Pass

Specimen No.	T4	
Test	Observation	Conclusion
Fiber Content Label	Present on product and can be seen at point-of -sale	Pass
RN# Or Company Name	Present on label	Pass
Country of Origin	Present on label	Pass



Verify Report



Detailed results

ISO 3758-Textiles-Labeling Review (Care Label)

Test Method: ISO 3758:2023; Visual Check

Specimen No.	T2	
Test Parameters	Observation	Result
1.The symbols shall be placed either directly on the article or directly on the label. Where this is not possible, it is sufficient to indicate the care instructions on the packaging only.	Comply	Pass
2.Labels shall be made of suitable material with resistance to the care treatment indicated on the label at least equal to that of the article on which they are placed.	Comply	Pass
3.Label and symbols shall be large enough for the symbols to be easy to read and remain readable throughout the lifetime of the article.	Comply	Pass
4.Labels shall be permanently affixed to the textile material, in such a way that they can be easily located and read by the consumer and that no part of the symbols is hidden.	Comply	Pass
5.The symbols shall appear in the order washing, bleaching, drying, ironing and professional textile care. If more than one drying symbol or more than one professional textile care symbol is needed, they shall appear in the order washing, bleaching, tumble drying, natural drying, ironing, professional dry cleaning and professional wet cleaning.	Comply	Pass
6.Additional wording may accompany the symbolized care instructions if necessary, While the number of additional words in the label should be kept to a minimum.	Comply	Pass
Conclusion	Pass	



Verify Report



Detailed results

Specimen No.	T4	
Test Parameters	Observation	Result
1.The symbols shall be placed either directly on the article or directly on the label. Where this is not possible, it is sufficient to indicate the care instructions on the packaging only.	Comply	Pass
2.Labels shall be made of suitable material with resistance to the care treatment indicated on the label at least equal to that of the article on which they are placed.	Comply	Pass
3.Label and symbols shall be large enough for the symbols to be easy to read and remain readable throughout the lifetime of the article.	Comply	Pass
4.Labels shall be permanently affixed to the textile material, in such a way that they can be easily located and read by the consumer and that no part of the symbols is hidden.	Comply	Pass
5.The symbols shall appear in the order washing, bleaching, drying, ironing and professional textile care. If more than one drying symbol or more than one professional textile care symbol is needed, they shall appear in the order washing, bleaching, tumble drying, natural drying, ironing, professional dry cleaning and professional wet cleaning.	Comply	Pass
6.Additional wording may accompany the symbolized care instructions if necessary, While the number of additional words in the label should be kept to a minimum.	Comply	Pass
Conclusion	Pass	





Detailed results

Regulation (EU) No 1007/2011-Textile Products-Labeling Review (Fiber Content)

Specimen No.	T2	
Test	Observation	Conclusion
Fiber Content Label	Percentages of all fibres was on product and claimed content matches with actual and present in official language.	Pass

Specimen No.	T4	
Test	Observation	Conclusion
Fiber Content Label	Percentages of all fibres was on product and claimed content matches with actual and present in official language.	Pass



Verify Report



Detailed results

Flammability Test of Clothing Textiles

Test Method: 16 CFR Part 1610

Specimen No.	T5		
Fabric Surface:	Raised		
Items	Result		Client's re- quirement
	<u>As Received</u>	<u>After Dry-cleaning and Launder- ing*</u>	
Flame Spread (sec.)	54.3	54.4	Class 1/ Class 2
Burn Code	---	---	
Flammability Classification	Class 1		
Conclusion	Pass		

Remarks

Class 1: Normal Flammability, Textiles meeting these requirements are generally accepted by the trade as having no unusual burning characteristics.

Class 2: Intermediate Flammability, Textiles meeting these requirements are recognized by the trade as having flammability characteristics between normal and rapid and intense burning.

Class 3: Rapid and intense Burning, Such textiles are considered dangerously flammable and recognized by the trade as being unsuitable for clothing because of their rapid and intense burning.

* Drycleaning / Laundering procedure: 1 Dry-Cleaning cycle & then 1 laundering cycle
(AATCC TM124:2006: Test No. (1) IV A(iii), Machine wash at 120°F with 3.63 kg (8lb) loading, Normal cycle, Tumble dry durable press and a cool down time of 10 min.)



Verify Report



Detailed results

Canadian Textile Flammability Regulations SOR/2016-194, Non-bedding Textile

(Method: Canadian General Standards Board CAN/CGSB 4.2 NO. 27.5, Textile Test Methods)

Specimen No.	T5				
Fabric Surface:	Raised		Test Direction:	Face, Warp	
Test Specimen No.	Original		After cleaning		Client's re-requirement
	Burn Time (Sec.)	Burn Code	Burn Time (Sec.)	Burn Code	
1	56.18	---	---	---	>4s
2	54.57	---	---	---	
3	53.69	---	---	---	
4	53.18	---	---	---	
5	53.86	---	---	---	
6	---	---	---	---	
7	---	---	---	---	
8	---	---	---	---	
9	---	---	---	---	
10	---	---	---	---	
Average	54.3	---	---	---	
Conclusion	Pass				



Verify Report



Detailed results

GB 5296.4 – 2012, Instructions for Use of Products of Consumer Interest - Part 4 :Textiles and Apparel

Specimen No.	T2	
Test Parameters	Observation	Result
Name and address of the manufacturer	Comply	Pass
Product name	Comply	Pass
Product size or specification	Comply	Pass
Fiber composition and Content	Comply	Pass
Care label	Comply	Pass
Executive product standard	Comply	Pass
Safety category	Comply	Pass
Quality level of produce	Comply	Pass
Precautions for use and Storage	No	N/A
Conclusion	Pass	

Specimen No.	T4	
Test Parameters	Observation	Result
Name and address of the manufacturer	Comply	Pass
Product name	Comply	Pass
Product size or specification	Comply	Pass
Fiber composition and Content	Comply	Pass
Care label	Comply	Pass
Executive product standard	Comply	Pass
Safety category	Comply	Pass
Quality level of produce	Comply	Pass
Precautions for use and Storage	No	N/A
Conclusion	Pass	



Verify Report



Detailed results

GB 31701-Infants and Children Textile Products-Odour

Test Method: GB 18401-2010 6.7

Specimen No.	T1	T3	---	---	Limit (grade)
Test Item	Result (grade)	Result (grade)	Result (grade)	Result (grade)	
Odor	No	No	---	---	No odor
Conclusion	Pass	Pass	---	---	



Verify Report



Detailed results

GB/T 2910-Textiles-Fibre content

Test Method: FZ/T 01057.1~4-2007& GB/T 2910.11-2009

Specimen No.	T5		
Items	Result	Client's requirement	Conclusion
Cotton (%)	100	100	Pass



Detailed results

GB/T 3921-Textiles-Colour Fastness To Washing

Test Method: GB/T 3921-2008; Test No. A (1); mechanical wash at 40 degree C with 5g/l Soap detergent and 0 steel balls.

Specimen No.	T5	---	---	---	---	Client's requirement
Items	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	
Change in shade	4-5	---	---	---	---	Min.3
Staining on multi-fiber stripe						
-Acetate	4-5	---	---	---	---	Min.3
-Cotton	4-5	---	---	---	---	Min.3
-Nylon	4-5	---	---	---	---	Min.3
-Polyester	4-5	---	---	---	---	Min.3
-Acrylic	4-5	---	---	---	---	Min.3
-Wool	4-5	---	---	---	---	Min.3
Conclusion	Pass	---	---	---	---	

Remark: Grey scale rating is based on the 5-step of 1 to 5, where 1 is bad and 5 is good.



Verify Report



Detailed results

GB/T 3920-Textiles-Colour Fastness To Rubbing

Test Method: GB/T 3920-2008; Size of rubbing finger: 16mm dia.

Specimen No.	T5	---	---	---	---	Client's requirement
Items	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	
Dry staining	4-5	---	---	---	---	Min.4
Wet staining	4-5	---	---	---	---	Min.3
Conclusion	Pass	---	---	---	---	

Remark: Grey Scale rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.



Detailed results

GB/T 3922-Textiles-Colour Fastness To Perspiration

Test Method: GB/T 3922-2013, test specimen in vertical position.

Specimen No.	T5		---		Client's requirement
Items	Result (Grade)		Result (Grade)		
	<u>Acidic</u>	<u>Alkaline</u>	<u>Acidic</u>	<u>Alkaline</u>	
Change in shade	4-5	4-5	---	---	Min.3-4
Staining on multi-fiber stripe					
-Acetate	4-5	4-5	---	---	Min.3-4
-Cotton	4-5	4-5	---	---	Min.3-4
-Nylon	4-5	4-5	---	---	Min.3-4
-Polyester	4-5	4-5	---	---	Min.3-4
-Acrylic	4-5	4-5	---	---	Min.3-4
-Wool	4-5	4-5	---	---	Min.3-4
Conclusion	Pass	Pass	---	---	

Remark: Grey scale rating is based on the 5-step of 1 to 5, where 1 is bad and 5 is good.



Verify Report



Detailed results

GB/T 5713-Textiles-Colour Fastness To Water

Test Method: GB/T 5713-2013, test specimen in vertical position.

Specimen No.	T5	---	---	---	---	Client's require- ment
Items	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	
Change in shade	4-5	---	---	---	---	Min.3-4
Staining on multi- fiber stripe						
-Acetate	4-5	---	---	---	---	Min.3-4
-Cotton	4-5	---	---	---	---	Min.3-4
-Nylon	4-5	---	---	---	---	Min.3-4
-Polyester	4-5	---	---	---	---	Min.3-4
-Acrylic	4-5	---	---	---	---	Min.3-4
-Wool	4-5	---	---	---	---	Min.3-4
Conclusion	Pass	---	---	---	---	

Remark: Grey scale rating is based on the 5-step of 1 to 5, where 1 is bad and 5 is good.



Detailed results

GB/T 18886-Textiles-Colour Fastness To Saliva

Test Method: GB/T 18886-2019

Specimen No.	T5	---	---	---	---	Client's requirement
Items	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	
Change in shade	4-5	---	---	---	---	Min.4
Staining on multi-fiber stripe						
-Acetate	4-5	---	---	---	---	Min.4
-Cotton	4-5	---	---	---	---	Min.4
-Nylon	4-5	---	---	---	---	Min.4
-Polyester	4-5	---	---	---	---	Min.4
-Acrylic	4-5	---	---	---	---	Min.4
-Wool	4-5	---	---	---	---	Min.4
Conclusion	Pass	---	---	---	---	

Remark: Grey scale rating is based on the 5-step of 1 to 5, where 1 is bad and 5 is good.



Detailed results

GB/T 14644-2014-Textiles-Flammability of Textiles

Test Method: GB/T 14644-2014

Specimen No.	T5				
Fabric Surface:	Raised		Test Direction:	Face, Warp	
Test Specimen No.	Original		After cleaning		Client's re- quirement
	Burn Time (Sec.)	Burn Code	Burn Time (Sec.)	Burn Code	
1	56.18	---	53.67	---	Class 1
2	54.57	---	54.18	---	
3	53.69	---	53.69	---	
4	53.18	---	53.46	---	
5	53.86	---	54.15	---	
6	---	---	---	---	
7	---	---	---	---	
8	---	---	---	---	
9	---	---	---	---	
10	---	---	---	---	
Average	54.3	---	53.8	---	
Flammability Classifi- cation	Class 1		Class 1		
Conclusion	Pass				

Remark:

Class 1: Normal Flammability, Textiles meeting these requirements are generally accepted by the trade as having no unusual burning characteristics.

Class 2: Intermediate Flammability, Textiles meeting these requirements are recognized by the trade as having flammability characteristics between normal and rapid and intense burning.

Class 3: Rapid and intense Burning, Such textiles are considered dangerously flammable and recognized by the trade as being unsuitable for clothing because of their rapid and intense burning.

Cleaning procedure: GB/T 8629-2017: Test No.4N, Machine wash at 40°C with 20g standard detergent, normal cycle, flat dry, after one cycle.



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Detailed results

Fabric Weight Per Unit Area

Test Method: GB/T 4669-2008

Sample No.	T1	T3	---	---	Client's Requirement
Items	Result	Result	Result	Result	
(g/m²)	544	544	---	---	N/A
Conclusion	Information only	Information only	---	---	-





Detailed results

Textiles-Breaking Strength and Elongation

Test Method: GB/T 3923.1-2013-Textiles-Breaking Strength and Elongation

Sample No.	T5	---	---	---	Client's Requirement
Items	Result	Result	Result	Result	
Warp (N)	360	---	---	---	Min.180
Weft (N)	460	---	---	---	Min.180
Conclusion	Pass	---	---	---	-





Detailed results

Fiber shedding of towel products^Φ

Test Method: GB/T 22798-2019, method A. Fiber shedding after washing.

Specimen No.	T3	---	---	---	---	Client's requirement
Items	Result	Result	Result	Result	Result	
Fiber shedding after washing (%)	+0.3	---	---	---	---	Max.2.0
Conclusion	Pass	---	---	---	---	-

Note: Washing Procedure: GB/T 8629-2017: Washing Program No. 6N: using horizontal axis, front-loading type machine, Machine wash at 60 degree C with 1kg total dry mass (type III (100% polyester) ballast + specimen) and 77% 'ECE' detergent A + 20%sodium perborate + 3%TAED, tumble dry less than 66 degree C



Detailed results

Hydroscopicity of towel products^φ

Test Method: GB/T 22799-2019, method A

Specimen No.	T3		
Items	Client's requirement	Result	Conclusion
Hydroscopicity (s)	Max.30	1.6	Pass

Note: Washing Procedure: GB/T 8629-2017: Washing Program No. 6N: using horizontal axis, front-loading type machine, Machine wash at 60 degree C with 1kg total dry mass (type III (100% polyester) ballast + specimen) and 77% 'ECE' detergent A + 20%sodium perborate + 3%TAED, tumble dry less than 66 degree C



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Specimen description

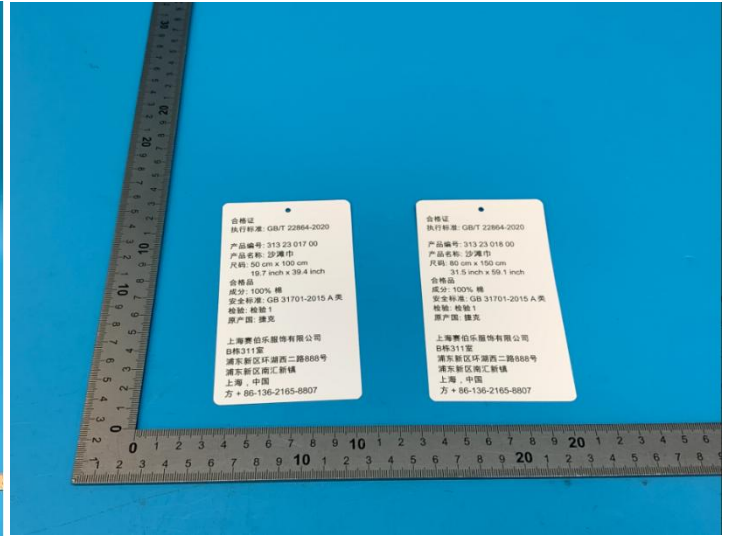
Specimen #	Specimen description	Location
C1	Dark grey/off white natural fiber	Towel
T1	Dark grey/off white towel	Entire article (size: 50x100cm)
T2	Label	Size: 50x100cm
T3	Dark grey/off white towel	Entire article (size: 80x150cm)
T4	Label	Size: 80x150cm
T5	Dark grey/off white fabric	Body





Pictures

Sample photo:



End of the report

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and the method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the QIMA decision rule. (<https://www.qima.com/conditions-of-service#decisionRule>). This test report may not be reproduced in whole or in part, without the written approval of QIMA Hansecontrol Testing Service (Dongguan) Co. Ltd..



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