

Test report

24G-000748(A1)



Verify Report

Overall result

PASS

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

Client information

Client: Karl Josef Schmied Lederwarencreation
GmbH
Address: Marienstraße 11A, Dieburg, Germany
64807



Sample information

Description: Audi Ladies collection
SKU/style #: Item 315 240 0200 wallet with wrist strap
Item 315 240 0300 phone pouch
Item 315 240 0400 small wallet
Item 318 240 0100 lanyard
Item 318 240 0200 key ring

Country of origin: -

Country of distribution: Europe

Quantity submitted: 6 sets + 1 lot parts

Labeled age grade: -

Tested age grade: -

General information

Sample receipt date: 04-Feb-2024

Testing period: 04-Feb-2024 to 21-Feb-2024

Report date: 21-Feb-2024

QIMA Hansecontrol Testing Service (Dongguan) Co. Ltd.

Sikin Wang Xi Jian

Organic & Inorganic Leader, Chemical Laboratory



Verify Report

QIMA Hansecontrol Testing Service (Dongguan) Co. Ltd.

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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 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) - Formaldehyde	PASS
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 43 Azocolorants in Leathers	PASS
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 43 Azocolorants in Textiles	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
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 63 Lead in Substrate Materials	PASS
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Paints and Surface Coatings	PASS
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Paints and Surface Coatings	PASS
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Substrate Materials	PASS
Regulation (EC) No. 2019/1021 Persistent Organic Pollutants, ANNEX I – Pentachlorophenol and its Salts and Esters Content	PASS
Regulation (EC) No. 2019/1021 Persistent Organic Pollutants Annex I, Short Chain Chlorinated Paraffins C10-C13	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 and amendment, Item 47 Chromium VI	PASS
Regulation (EC) No. 1907/2006 REACH Annex XVII as Amended, Item 51 Phthalates – Non-Mouthable (DBP, BBP, DEHP, DIBP)	PASS
Regulation (EC) No 1907/2006 REACH Annex XVII Item 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) - Phthalates	PASS
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 50 Polycyclic Aromatic Hydrocarbon (PAH)	PASS
Regulation (EC) No. 2019/1021 and its Amended Regulation (EC) No. 2020/784 Persistent Organic Pollutants Annex I, Perfluorooctanoic Acid (PFOA), its Salts and PFOA-Related Compounds, Perfluorooctane Sulfonate (PFOS) and its Derivatives	PASS
Regulation (EC) No 1907/2006 REACH Annex XVII Item 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) - N, N-dimethylformamide (DMF)	PASS
Regulation (EC) No 1907/2006 REACH Annex XVII Item 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) - N, N-dimethylacetamide (DMAC)	PASS
Regulation (EC) No 1907/2006 REACH Annex XVII Item 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) - 1-methyl-2-pyrrolidone (NMP)	PASS





Test(s) conducted	Conclusion
Regulation (EC) No. 1907/2006 REACH – Candidate List of Substances of Very High Concern (240 SVHC) for Authorisation (Date of inclusion: 23 Jan 2024)	PASS





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, Ultraviolet-Visible Spectrophotometry

Specimen No.	3+4	5+6	7	8	Migratable
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Limit (mg/kg)
Cadmium and its Compounds ^Δ	ND	ND	ND	ND	1
Chromium VI Compounds ^Δ	ND	ND	ND	ND	1
Arsenic Compounds ^Δ	ND	ND	ND	ND	1
Lead and its Compounds ^Δ	ND	ND	ND	ND	1
Conclusion	PASS	PASS	PASS	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.





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.	3+4+5	6	8	---	Limit (mg/kg)
Test Item CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Formaldehyde 50-00-0	ND	18	ND	---	75
Conclusion	PASS	PASS	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.





Detailed results

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

Test Method: EN ISO 17234-1:2020, EN ISO 17234-2:2011
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1+2	---	---	---	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-diaminoanisoole	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.





Detailed results

In the case of levels per amine component more than 30 mg/kg, according to the analysis carried out, it is suggested that the commodity submitted has been manufactured or treated using azo colorants.

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





Detailed results

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

Test Method: EN ISO 14362-1:2017, EN ISO 14362-3:2017
Analytical Method: Gas Chromatography with Mass Spectrometry

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





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 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/ Liquid Chromatography-Mass Spectrometer (LC-MS)

Specimen No.		3+4+5	8	---	---	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	ND	---	---	30
2-Naphthylammoniumacetate ^Δ	553-00-4	ND	ND	---	---	30
2,4-diaminoanisole sulphate ^Δ	39156-41-7	ND	ND	---	---	30
2,4,5-trimethylaniline hydrochloride ^Δ	21436-97-5	ND	ND	---	---	30
Conclusion		PASS	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.

Remark:

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





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
Analytical Method: Liquid Chromatography-Mass Spectrometer (LC-MS)

Specimen No.	3+4+5	---	---	---	---	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 $\geq$ 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 54231:2005
Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Specimen No.		3+4+5	---	---	---	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 (Reporting Limit = 5 mg/kg)

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





Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Substrate Materials

Test Method: CPSC-CH-E1001-08.3 (Metal) and/or CPSC-CH-E1002-08.3 (Non-Metal)

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	8+9	16	17	18	19	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	23	41	ND	ND	ND	500
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	20	21	22	23	24	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	49	ND	ND	36	500
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	25	26	27	28	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	21	ND	23	---	500
Conclusion	PASS	PASS	PASS	PASS	---	

Note:

mg/kg = Milligrams per kilogram

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.





Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Paints and Surface Coatings

Test Method: CPSC-CH-E1003-09.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	7	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	---	---	---	---	500
Conclusion	PASS	---	---	---	---	

Note:

mg/kg = Milligrams per kilogram

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.





Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Paints and Surface Coatings

Test Method: ASTM F963-17 Clause 8.3.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	7	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Cadmium (Cd)	ND	---	---	---	---	1000
Conclusion	PASS	---	---	---	---	

Note:

mg/kg = Milligrams per kilogram

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.





Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Substrate Materials

Test Method: ASTM F963-17 Clause 8.3.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	8+9	10	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Cadmium (Cd)	ND	ND	---	---	---	100
Conclusion	PASS	PASS	---	---	---	

Note:

mg/kg = Milligrams per kilogram

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.





Detailed results

Regulation (EC) No. 2019/1021-Persistent Organic Pollutants (POPs) Regulation-Pentachlorophenol (PCP) and its Salts and Esters Content (Composite)

Test Method: EN ISO 17070:2015
Analytical Method: Gas Chromatography with Mass Spectrometry

For leather

Specimen No.	1+2+15	---	---	---	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 (Reporting Limit = 1 mg/kg)

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





Detailed results

Regulation (EC) No. 2019/1021 Persistent Organic Pollutants, ANNEX I – Pentachlorophenol and its Salts and Esters Content

Test Method: With reference EN ISO 17070:2015
Analytical Method: Gas Chromatography with Mass Spectrometry

For material other than leather

Specimen No.	3+4+5	6+11+12	8	13+14	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	ND	ND	ND	5
Conclusion	PASS	PASS	PASS	PASS	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 1 mg/kg)

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





Detailed results

Regulation (EC) No. 2019/1021 Persistent Organic Pollutants Annex I, Short Chain Chlorinated Paraffins C10-C13

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

Articles*

Specimen No.		1+2+15	7	8+9+10	---	Limit (%)
Test Item	CAS No.	Result (%)	Result (%)	Result (%)	Result (%)	
Short Chain Chlorinated Paraffins C10-C13 (SCCP)	85535-84-8	ND	ND	ND	---	1 500
Conclusion		PASS	PASS	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 = 0.01%)

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

*Article: An object composed of one or more substances and/or preparations which during production is given a specific shape, surface or design determining its end use function to a greater extent than its chemical composition does.





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 54232:2010

Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Specimen No.		3+4+5	---	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	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)

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





Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII and amendment, Item 47 Chromium VI

Test Method: ISO 17075-1:2017
Analytical Method: Ultraviolet-Visible Spectrophotometry

Specimen No.	1	2	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Chromium VI	ND	ND	---	---	---	3
Conclusion	PASS	PASS	---	---	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit: Cr (VI) = 3 mg/kg)





Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII as Amended, Item 51 Phthalates – Non-Mouthable (DBP, BBP, DEHP, DIBP)

Test Method: CPSC-CH-C1001-09.4
Test Instrument: Gas Chromatography with Mass Spectrometry

Specimen No.		7	8+9	10	Limit (% w/w)
Test Item	CAS No.	Result (% w/w)	Result (% w/w)	Result (% w/w)	
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	0.1
Benzyl Butyl Phthalate (BBP)	85-68-7	ND	ND	ND	0.1
Di-(2-Ethylhexyl) Phthalate (DEHP)	117-81-7	ND	ND	ND	0.1
Diisobutyl Phthalate (DIBP)	84-69-5	ND	ND	ND	0.1
Sum of DBP, BBP, DEHP, DIBP		ND	ND	ND	0.1
Conclusion		PASS	PASS	PASS	

Note:

% w/w = Percent by weight

LT = Less than

ND = Not detected (Reporting Limit = 0.015 % w/w)

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





Detailed results

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

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

Specimen No.		7	8+9	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
1,2-Benzenedicarboxylic acid, di-C 6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	ND	ND	---	---	1000
Bis(2-methoxyethyl) phthalate	117-82-8	ND	ND	---	---	1000
Diisopentylphthalate	605-50-5	ND	ND	---	---	1000
Di-n-pentyl phthalate (DPP)	131-18-0	ND	ND	---	---	1000
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	ND	---	---	1000
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	---	---	1000
Dibutyl phthalate (DBP)	84-74-2	ND	ND	---	---	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	---	---	1000
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	---	---	1000
The sum of above 9 phthalates		ND	ND	---	---	1000
Conclusion		PASS	PASS	---	---	

Note:

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

LT = Less than

ND = Not detected (Reporting Limit = 300 mg/kg)

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





Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 50 Polycyclic Aromatic Hydrocarbon (PAH)

Test Method: AfPS GS 2019:01
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		7	8+9	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Benzo [a] pyrene (BaP)	50-32-8	ND	ND	---	---	1
Benzo [e] pyrene (BeP)	192-97-2	ND	ND	---	---	1
Benzo [a] anthracene (BaA)	56-55-3	ND	ND	---	---	1
Chrysene (CHR)	218-01-9	ND	ND	---	---	1
Benzo [b] fluoranthene (BbFA)	205-99-2	ND	ND	---	---	1
Benzo [j] fluoranthene (BjFA)	205-82-3	ND	ND	---	---	1
Benzo [k] fluoranthene (BkFA)	207-08-9	ND	ND	---	---	1
Dibenzo [a,h] anthracene (DBA _h A)	53-70-3	ND	ND	---	---	1
Conclusion		PASS	PASS	---	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 0.2 mg/kg)





Detailed results

Regulation (EC) No. 2019/1021 and its Amended Regulation (EC) No. 2020/784 Persistent Organic Pollutants Annex I, Perfluorooctanoic Acid (PFOA), its Salts and PFOA-Related Compounds, Perfluorooctane Sulfonate (PFOS) and its Derivatives

Test Method: With reference to EN ISO 23702-1:2023
Analytical Method: Liquid Chromatography Tandem Mass Spectrometry (LC-MS-MS),
Gas Chromatography with Mass Spectrometry (GC-MS)

Semi-finished products or articles

Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds

Specimen No.	1	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Perfluorooctanoic acid (PFOA), its salts*	ND	---	---	---	0.025
PFOA-related compounds*	ND	---	---	---	1
Conclusion	PASS	---	---	---	

Perfluorooctane sulfonate (PFOS) and its derivatives

Specimen No.	1	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Perfluorooctane sulfonate (PFOS) and its derivatives*	ND	---	---	---	1000
Conclusion	PASS	---	---	---	

Perfluorohexane sulfonic acid (PFHxS) and its salts and PFHxS-related compounds

Specimen No.	1	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Perfluorohexane sulfonic acid (PFHxS), its salts*	ND	---	---	---	0.025
PFHxS-related compounds*	ND	---	---	---	1
Conclusion	PASS	---	---	---	

*Refer to List of Per-and Polyfluoroalkyl Substances (PFAS)

Note:
mg/kg (Milligrams per kilogram) = ppm (Parts per million) = 0.0001% w/w (Percent by weight)
 $\mu\text{g}/\text{m}^2$ = Micrograms per square meter
LT = Less than
ND = Not detected (Reporting Limit: PFOA = 0.025 mg/kg; PFOA-related compounds = 1 mg/kg; PFOS = 1 mg/kg; PFHxS = 0.025 mg/kg; PFHxS-related compounds = 1 mg/kg)





Detailed results

List of Per-and Polyfluoroalkyl Substances (PFAS)

Per-and Polyfluoroalkyl Substances (PFAS) Content		
Chemical Substance	Abbreviation	CAS No.
Perfluorooctanoic acid (PFOA), its salts		
Perfluorooctanoic acid	PFOA	335-67-1
Perfluorooctanoyl fluoride	PFOA-F	335-66-0
Silver perfluorooctanoate	PFOA-Ag	335-93-3
Sodium perfluorooctanoate	PFOA-Na	335-95-5
Potassium perfluorooctanoate	PFOA-K	2395-00-8
Ammonium pentadecafluorooctanoate	APFO	3825-26-1
PFOA-related compounds		
Methyl perfluorooctanoate	Me-PFOA	376-27-2
Ethyl perfluorooctanoate	Et-PFOA	3108-24-5
1H,1H,2H,2H-perfluoro-1-decanol	8:2 FTOH	678-39-7
1H,1H,2H,2H-Perfluorodecyl methacrylate	8:2 FTMA	1996-88-9
1H,1H,2H,2H-perfluorodecylacrylate	8:2 FTAC	27905-45-9
1H,1H,2H,2H-Perfluoro-1-decanol	8:2 FTS	39108-34-4
2H,2H,3H,3H-Perfluoroundecanoic Acid	H4PFUnA	34598-33-9
Tetrabutylphosphonium 2H,2H-Perfluorodecanoate	H2PFDA	882489-14-7
Perfluorooctane sulfonate (PFOS) and its derivatives		
Perfluorooctane sulfonic acid	PFOS	1763-23-1
Perfluorooctane sulfonyl fluoride	PFOSF/POSF	307-35-7
Perfluorooctane sulfonamide	PFOSA	754-91-6
N-Ethyl perfluorooctane sulfonamide ethanol	N-Et-FOSE	1691-99-2
Perfluorooctanesulfonic acid, potassium salt	PFOS-K	2795-39-3
N-Ethyl perfluorooctane sulfonamide	N-Et-FOSA	4151-50-2
N-Methyl perfluorooctane sulfonamide ethanol	N-Me-FOSE	24448-09-7
Perfluorooctanesulfonic acid, lithium salt	PFOS-Li	29457-72-5
Perfluorooctanesulfonic acid, ammonium	PFOS-NH ₄	29081-56-9
N-Methyl perfluorooctane sulfonamide	N-Me-FOSA	31506-32-8
Perfluorooctanesulfonic acid, tetraethylammonium salt	PFOS-N(C ₂ H ₅) ₄	56773-42-3
Perfluorooctane sulfonate, diethanolamine salt	PFOS-NH(OH) ₂	70225-14-8
Didecyldimethylammonium perfluorooctane sulfonate	PFOS-N(C ₁₀ H ₂₁) ₂ (CH ₃) ₂	251099-16-8
Perfluorohexane sulfonic acid (PFHxS), its salts		
Perfluorohexane Sulfonic acid	PFHxS	355-46-4
Perfluorohexane Sulfonic acid, potassium salt	PFHxS-K	3871-99-6
Perfluorohexane Sulfonic acid, lithium salt	PFHxS-Li	55120-77-9
Perfluorohexane Sulfonic acid, ammonium salt	PFHxS-NH ₄	68259-08-5
Perfluorohexane Sulfonic acid, sodium salt	PFHxS-Na	82382-12-5
PFHxS-related compounds		
N-Methylperfluoro-1-hexanesulfonamide	N-Me-FHxSA	68259-15-4
Perfluorohexane sulfonamide	PFHxSA	41997-13-1





Detailed results

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

Test Method: ISO/TS 16189: 2013
Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Specimen No.	8	---	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
N, N-dimethylformamide	68-12-2	490	---	---	3000
Conclusion	PASS	---	---	---	

Note:

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

LT = Less than

ND = Not detected (Reporting Limit = 100 mg/kg)

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





Detailed results

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

Test Method: ISO/TS 16189: 2013
Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Specimen No.		8	---	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
N,N-dimethylacetamide (DMAC)	127-19-5	ND	---	---	---	3000
Conclusion		PASS	---	---	---	

Note:

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

LT = Less than

ND = Not detected (Reporting Limit = 100 mg/kg)

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





Detailed results

Regulation (EC) No 1907/2006 REACH Annex XVII Item 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) - 1-methyl-2-pyrrolidone (NMP)

Test Method: ISO/TS 16189: 2013
Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Specimen No.		8	---	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
1-methyl-2-pyrrolidone (NMP)	872-50-4	ND	---	---	---	3000
Conclusion		PASS	---	---	---	

Note:

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

LT = Less than

ND = Not detected (Reporting Limit = 100 mg/kg)

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





Detailed results

Regulation (EC) No. 1907/2006 REACH – Candidate List of Substances of Very High Concern (240 SVHC) for Authorisation (Date of inclusion: 23 Jan 2024)

Test Method: In-House Method (with reference to DIN/TS 51012:2020)
Test Instrument: Inductively Coupled Plasma-Optical Emission Spectrometry
Gas Chromatography with Mass Spectrometry
Liquid Chromatography with Mass Spectrometry
Headspace Gas Chromatography with Mass Spectrometry
Ultraviolet-Visible Spectrophotometry
Liquid Chromatography with Tandem Mass Spectrometry
Colorimetric Method

Specimen No.	1+2+3+4+5+6+ 7+8+9	10+11+12+13+14+ 15	16+17+18+19+20+ 21+22	23+24+25+26+27+ 28	Limit (% w/w)
Test Item	Result (% w/w)	Result (% w/w)	Result (% w/w)	Result (% w/w)	
4,4'-sulphonyldiphenol	0.084	ND	ND	ND	0.1
Other Substances of Very High Concern (SVHC)*	ND	ND	ND	ND	0.1
Conclusion	PASS	PASS	PASS	PASS	

Note:

% w/w = Percent by weight

ND = Not detected. Result value is less than reporting limit (RL) as 0.01% w/w.

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

The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to the full list of tested SVHC as below.

m.s. = testing on composite items, and individual testing on each test item is required.

* = For candidate list of Substances of Very High Concern (SVHC) for Authorisation, please refer to “The List of SVHC” in Appendix I.





Detailed results

Appendix I

The List of SVHC

Batch	No.	Substance Name	CAS No.
I	1	4,4'-Diaminodiphenylmethane	101-77-9
I	2	5-tert-Butyl-2,4,6-trinitro-m-xylene	81-15-2
I	3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8
I	4	Anthracene	120-12-7
I	5	Benzyl butyl phthalate (BBP)	85-68-7
I	6	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7
I	7	Bis(tributyltin)oxide (TBTO) ⁵	56-35-9
I	8	Cobalt dichloride [^]	7646-79-9
I	9	Diarsenic pentaoxide [^]	1303-28-2
I	10	Diarsenic trioxide [^]	1327-53-3
I	11	Dibutyl phthalate (DBP)	84-74-2
I	12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified	Various
I	13	Lead hydrogen arsenate [^]	7784-40-9
I	14	Sodium dichromate [^]	10588-01-9 7789-12-0
I	15	Triethyl arsenate [^]	15606-95-8
II	16	2,4-Dinitrotoluene	121-14-2
II	17	Anthracene Oil	90640-80-5
II	18	Anthracene Oil, Anthracene Paste	90640-81-6
II	19	Anthracene Oil, Anthracene Paste, Anthracene Fraction	91995-15-2
II	20	Anthracene Oil, Anthracene Paste, distn. lights	91995-17-4
II	21	Anthracene Oil, Anthracene-low	90640-82-7
II	22	Diisobutyl phthalate	84-69-5
II	23	Lead Chromate [^]	7758-97-6
II	24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) [^]	12656-85-8
II	25	Lead sulfochromate yellow (C.I. Pigment Yellow 34) [^]	1344-37-2
II	26	Pitch, Coal Tar	65996-93-2
II	27	Tris(2-chlorethyl) phosphate	115-96-8
II	28	Acrylamide	79-06-1
III	29	Ammonium dichromate [^]	7789-09-5
III	30	Boric acid (EC No. 233-139-2 and EC No. 234-343-4) [^]	11113-50-1 10043-35-3
III	31	Disodium tetraborate, anhydrous [^]	1330-43-4 12179-04-3 1303-96-4





Batch	No.	Substance Name	CAS No.
III	32	Potassium chromate [^]	7789-00-6
III	33	Potassium dichromate [^]	7778-50-9
III	34	Sodium chromate [^]	7775-11-3
III	35	Tetraboron disodium heptaoxide, hydrate [^]	12267-73-1
III	36	Trichloroethylene	79-01-6
IV	37	2-Ethoxyethanol	110-80-5
IV	38	2-Methoxyethanol	109-86-4
IV	39	Acids generated from chromium trioxide and their oligomers [^]	Various
IV	40	Chromium trioxide [^]	1333-82-0
IV	41	Cobalt(II) carbonate [^]	513-79-1
IV	42	Cobalt(II) diacetate [^]	71-48-7
IV	43	Cobalt(II) dinitrate [^]	10141-05-6
IV	44	Cobalt(II) sulphate [^]	10124-43-3
V	45	1,2,3-Trichloropropane	96-18-4
V	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6
V	47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4
V	48	1-Methyl-2-pyrrolidone (NMP)	872-50-4
V	49	2-Ethoxyethyl Acetate	111-15-9
V	50	Hydrazine	302-01-2 7803-57-8
V	51	Strontium chromate [^]	7789-06-2
VI	52	1,2-Dichloroethane	107-06-2
VI	53	2,2'-Dichloro-4,4'-methylenedianiline	101-14-4
VI	54	2-Methoxyaniline, o-Anisidine	90-04-0
VI	55	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9
VI	56	Aluminosilicate Refractory Ceramic Fibres [^]	Various
VI	57	Arsenic acid [^]	7778-39-4
VI	58	Bis(2-methoxyethyl) ether	111-96-6
VI	59	Bis(2-methoxyethyl) phthalate	117-82-8
VI	60	Calcium arsenate [^]	7778-44-1
VI	61	Dichromium tris(chromate) [^]	24613-89-6
VI	62	Formaldehyde, oligomeric reaction products with aniline	25214-70-4
VI	63	Lead diazide, Lead azide [^]	13424-46-9
VI	64	Lead dipicrate [^]	6477-64-1
VI	65	Lead styphnate [^]	15245-44-0
VI	66	N,N-Dimethylacetamide	127-19-5
VI	67	Pentazinc chromate octahydroxide [^]	49663-84-5
VI	68	Phenolphthalein	77-09-8





Batch	No.	Substance Name	CAS No.
VI	69	Potassium hydroxyoctaoxodizincatedichromate^	11103-86-9
VI	70	Trilead diarsenate^	3687-31-8
VI	71	Zirconia Aluminosilicate Refractory Ceramic Fibres^	Various
VII	72	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4
VII	73	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2
VII	74	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)&	2451-62-9
VII	75	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)&	59653-74-6
VII	76	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1
VII	77	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8
VII	78	4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9
VII	79	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5
VII	80	Diboron trioxide^	1303-86-2
VII	81	Formamide	75-12-7
VII	82	Lead(II) bis(methanesulfonate)^	17570-76-2
VII	83	N,N,N',N'-Tetramethyl-4,4'-methyldianiline (Michler's base)	101-61-1
VII	84	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0
VIII	85	1,2-Benzenedicarboxylic acid dipentylester, branched and linear	84777-06-0
VIII	86	1,2-Diethoxyethane	629-14-1
VIII	87	1-bromopropane (n-propyl bromide)	106-94-5
VIII	88	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2
VIII	89	4,4'-Methylendi-o-toluidine	838-88-0
VIII	90	4,4'-oxydianiline and its salts	Various
VIII	91	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	Various
VIII	92	4-Aminoazobenzene	60-09-3
VIII	93	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7
VIII	94	4-Nonylphenol, branched and linear	Various
VIII	95	6-methoxy-m-toluidine (p-cresidine)	120-71-8
VIII	96	[Phthalato(2-)]dioxotrilead^	69011-06-9
VIII	97	Acetic acid, lead salt, basic^	51404-69-4
VIII	98	Biphenyl-4-ylamine	92-67-1
VIII	99	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	1163-19-5





Batch	No.	Substance Name	CAS No.
VIII	100	Cyclohexane-1,2-dicarboxylic anhydride (all possible combinations of the cis- and trans-isomers)	Various
VIII	101	Diazeno-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	123-77-3
VIII	102	Dibutyltin dichloride (DBTC) [@]	683-18-1
VIII	103	Diethyl sulphate	64-67-5
VIII	104	Diisopentyl phthalate	605-50-5
VIII	105	Dimethyl sulphate	77-78-1
VIII	106	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7
VIII	107	Dioxobis(stearato)trilead [^]	12578-12-0
VIII	108	Fatty acids, C16-18, lead salts [^]	91031-62-8
VIII	109	Furan	110-00-9
VIII	110	Henicosafuoroundecanoic acid	2058-94-8
VIII	111	Heptacosafuorotetradecanoic acid	376-06-7
VIII	112	Hexahydromethylphthalic anhydride (including cis- and trans- stereo isomeric forms and all possible combinations of the isomers)	Various
VIII	113	Lead bis(tetrafluoroborate) [^]	13814-96-5
VIII	114	Lead cyanamidate [^]	20837-86-9
VIII	115	Lead dinitrate [^]	10099-74-8
VIII	116	Lead monoxide (lead oxide) [^]	1317-36-8
VIII	117	Lead oxide sulfate [^]	12036-76-9
VIII	118	Lead titanium trioxide [^]	12060-00-3
VIII	119	Lead titanium zirconium oxide [^]	12626-81-2
VIII	120	Methoxyacetic acid	625-45-6
VIII	121	Methyloxirane (Propylene oxide)	75-56-9
VIII	122	N,N-Dimethylformamide	68-12-2
VIII	123	N-methylacetamide	79-16-3
VIII	124	N-pentyl-isopentylphthalate	776297-69-9
VIII	125	o-Aminoazotoluene	97-56-3
VIII	126	o-Toluidine	95-53-4
VIII	127	Orange lead (lead tetroxide) [^]	1314-41-6
VIII	128	Pentacosafuorotridecanoic acid	72629-94-8
VIII	129	Pentalead tetraoxide sulphate [^]	12065-90-6
VIII	130	Pyrochlore, antimony lead yellow [^]	8012-00-8
VIII	131	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead- doped [^]	68784-75-8
VIII	132	Silicic acid, lead salt [^]	11120-22-2
VIII	133	Sulfurous acid, lead salt, dibasic [^]	62229-08-7
VIII	134	Tetraethyllead [^]	78-00-2
VIII	135	Tetralead trioxide sulphate [^]	12202-17-4
VIII	136	Tricosafuorododecanoic acid	307-55-1
VIII	137	Trilead bis(carbonate)dihydroxide [^]	1319-46-6





Batch	No.	Substance Name	CAS No.
VIII	138	Trilead dioxide phosphonate [^]	12141-20-7
IX	139	4-Nonylphenol, branched and linear, ethoxylated	Various
IX	140	Ammonium perfluorooctanoate(APFO) [†]	3825-26-1
IX	141	Cadmium (Cd) [^]	7440-43-9
IX	142	Cadmium oxide [^]	1306-19-0
IX	143	Dipentyl phthalate (DPP)	131-18-0
IX	144	Pentadecafluorooctanoic acid (PFOA) [†]	335-67-1
X	145	Cadmium sulphide [^]	1306-23-6
X	146	Dihexyl phthalate	84-75-3
X	147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0
X	148	Disodium 4-amino-3'-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7
X	149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7
X	150	Lead di(acetate) [^]	301-04-2
X	151	Trixylyl phosphate	25155-23-1
XI	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4
XI	153	Cadmium chloride [^]	10108-64-2
XI	154	Sodium perborate, perboric acid, sodium salt [^]	Various
XI	155	Sodium peroxometaborate [^]	7632-04-4
XII	156	2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenole (UV-328)	25973-55-1
XII	157	2-Benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7
XII	158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) [@]	15571-58-1
XII	159	Cadmium fluoride [^]	7790-79-6
XII	160	Cadmium sulphate [^]	10124-36-4 31119-53-6
XII	161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE) [@]	Various
XIII	162	1,2-benzenedicarboxylic acid, di-C6-10-alkylesters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters, with ≥ 0,3 % of dihexylphthalate (EC No., 201-559-5)	Various
XIII	163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2], covering any of the individual stereoisomers of [1] and [2] or any combination thereof	Various





Batch	No.	Substance Name	CAS No.
XIV	164	1,3-Propanesultone	1120-71-4
XIV	165	2,4-Di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenole (UV-327)	3864-99-1
XIV	166	2-(2H-Benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenole (UV-350)	36437-37-3
XIV	167	Nitrobenzene	98-95-3
XIV	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	Various
XV	169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8
XVI	170	4,4'-isopropylidenediphenol (Bisphenol A; BPA)	80-05-7
XVI	171	4-heptylphenol, branched and linear	Various
XVI	172	p-(1,1-dimethylpropyl)phenol	80-46-6
XVI	173	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	Various
XVII	174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	Various
XVIII	175	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™), covering any of its individual anti- and syn-isomers or any combination thereof	Various
XVIII	176	Benzo[a]anthracene	56-55-3
XVIII	177	Cadmium(II) carbonate^	513-78-0
XVIII	178	Cadmium(II) hydroxide^	21041-95-2
XVIII	179	Cadmium(II) nitrate^	10325-94-7
XVIII	180	Chrysene	218-01-9
XVIII	181	Reaction products of 1,3,4-thiadiazolidine-2,5- dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥ 0.1% w/w 4-heptylphenol, branched and linear (4-HPbl)]	Various
XIX	182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (Trimellitic anhydride; TMA)	552-30-7
XIX	183	Benzo(ghi)perylene	191-24-2
XIX	184	Decamethylcyclopentasiloxane (D5)	541-02-6
XIX	185	Dicyclohexyl phthalate (DCHP)	84-61-7
XIX	186	Disodium octaborate^	12008-41-2
XIX	187	Dodecamethylcyclohexasiloxane (D6)	540-97-6
XIX	188	Ethylenediamine (EDA)	107-15-3
XIX	189	Lead (Pb)^	7439-92-1
XIX	190	Octamethylcyclotetrasiloxane (D4)	556-67-2
XIX	191	Terphenyl, hydrogenated	61788-32-7
XX	192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-Benzylidene camphor; 3-BC)	15087-24-8
XX	193	2,2-Bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6
XX	194	Benzo[k]fluoranthene	207-08-9





Batch	No.	Substance Name	CAS No.
XX	195	Fluoranthene	206-44-0
XX	196	Phenanthrene	85-01-8
XX	197	Pyrene	129-00-0
XXI	198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides, covering any of their individual isomers and combinations thereof	Various
XXI	199	2-Methoxyethyl acetate	110-49-6
XXI	200	4-tert-Butylphenol	98-54-4
XXI	201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with 0.1% w/w of 4- nonylphenol, branched and linear (4-NP)	Various
XXII	202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1
XXII	203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5
XXII	204	Diisohexyl phthalate	71850-09-4
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts	Various
XXIII	206	1-vinylimidazole	1072-63-5
XXIII	207	2-methylimidazole	693-98-1
XXIII	208	Butyl 4-hydroxybenzoate	94-26-8
XXIII	209	Dibutylbis(pentane-2,4-dionato-O,O')tin [®]	22673-19-4
XXIV	210	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8
XXIV	211	Dioctyltin dilaurate, stannane, dioctyl-,bis (coco acyloxy) derivs., and any other stannane, dioctyl-, bis (fatty acyloxy)derives. where in C12 is the predominant carbon number of the fatty acyloxy moiety [®]	Various
XXV	212	1,4-dioxane	123-91-1
XXV	213	2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	Various
XXV	214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	Various
XXV	215	4,4'-(1-methylpropylidene)bisphenol	77-40-7
XXV	216	Glutaral	111-30-8
XXV	217	Medium-chain chlorinated paraffins (MCCP)	Various
XXV	218	Orthoboric acid, sodium salt (group)	Various
XXV	219	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	Various
XXVI	220	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	Various
XXVI	221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1





Batch	No.	Substance Name	CAS No.
XXVI	222	S-(tricyclo(5.2.1.0 ^{2,6})deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate (X4261)	255881-94-8
XXVI	223	Tris(2-methoxyethoxy)vinylsilane	1067-53-4
XXVII	224	N-(hydroxymethyl)acrylamide	924-42-5
XXVIII	225	1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]	37853-59-1
XXVIII	226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7
XXVIII	227	4,4'-sulphonyldiphenol	80-09-1
XXVIII	228	Barium diboron tetraoxide [^]	13701-59-2
XXVIII	229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	Various
XXVIII	230	Isobutyl 4-hydroxybenzoate	4247-02-3
XXVIII	231	Melamine	108-78-1
XXVIII	232	Perfluoroheptanoic acid and its salts	Various
XXVIII	233	Reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	Various
XXIX	234	Bis(4-chlorophenyl) sulphone	80-07-9
XXIX	235	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8
XXX	236	2,4,6-tri-tert-butylphenol	732-26-3
XXX	237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol	3147-75-9
XXX	238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4
XXX	239	Bumetrizole	3896-11-5
XXX	240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	Various

Note:

[^] = Result is based on the heavy metal or inorganic element concentration. Due to the limit of the analytical technology available, any further investigation is not feasible. The client is strongly advised to review the chemical formulation to ascertain.

[#] = Result is identified by tributyltin (TBT). Due to the limit of the analytical technology available, any further investigation is not feasible. The client is strongly advised to review the chemical formulation to ascertain.

[&] = 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazine-2,4,6-trione (TGIC) and 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC) are reported as a mixture.

[!] = PFOA and APFO are reported together. The result is based on PFOA concentration. Due to the limit of the analytical technology available, any further investigation is not feasible. The client is strongly advised to review the chemical formulation to ascertain.

[@] = Result is based on the tin metal concentration, and further confirmation for checking dibutyltin (DBT), dioctyltin (DOT), DOTE & MOTE concentration.



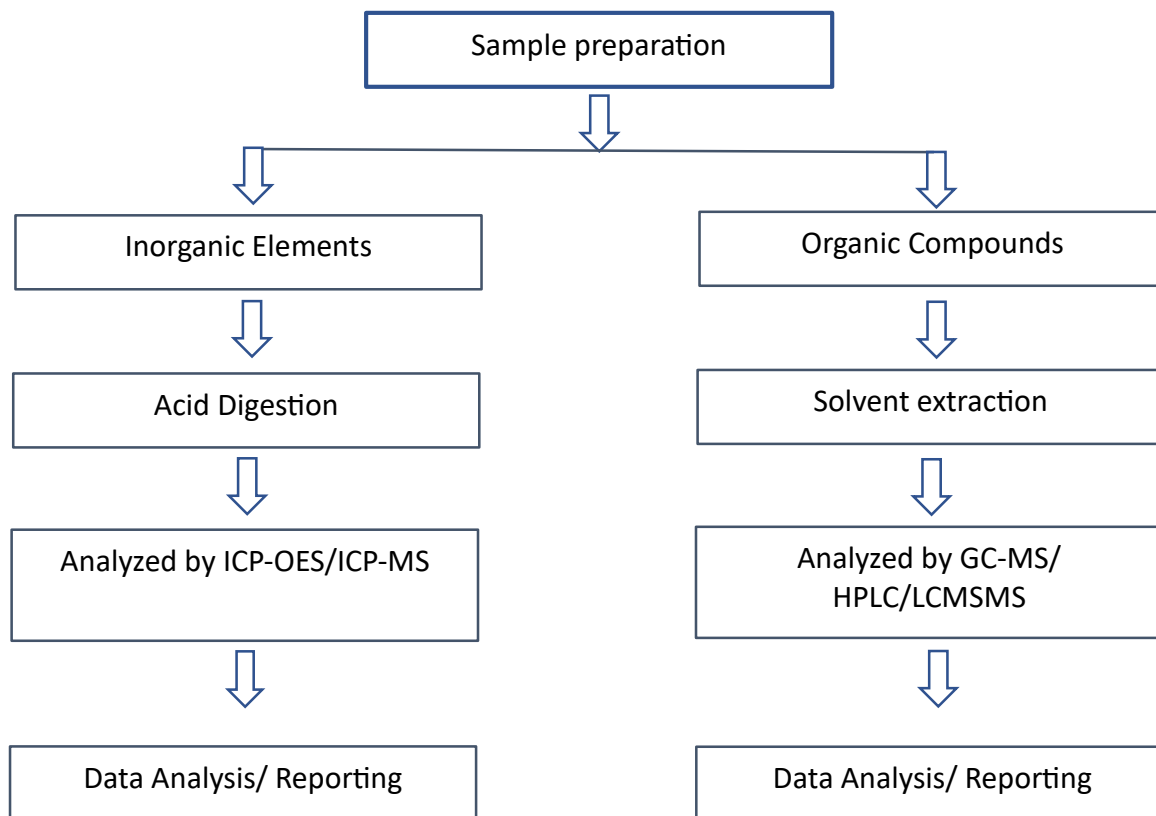


Detailed results

Appendix II

Remark:

SVHC Testing Flow Chart





Specimen description

Specimen #	Specimen description	Location
1	Grey leather	Shell(all styles)
2	Nude/grey leather	Shell(318 240 0200)
3	Grey fabric	Zipper tape(315 240 0200/315 240 0300/315 240 0400)
4	Grey fabric	Pocket lining(315 240 0200/315 240 0300/315 240 0400)
5	Grey fabric	Lining zipper tape(315 240 0200)
6	White mesh fabric	Pocket lining/lining backing(315 240 0200/315 240 0300/315 240 0400)
7	Grey coating	Edge(315 240 0200/315 240 0300/315 240 0400)
8	Black synthetic leather	Pocket lining/lining bottom(315 240 0200)
9	Grey plastic	Lining zipper teeth(315 240 0200)
10	Grey sponge	Filler(315 240 0200)
11	Shiny grey fabric	Body interlining(315 240 0200/315 240 0300/315 240 0400)
12	Black fabric	Bottom interlining(315 240 0200)
13	Grey/white paperboard	Body interlining(315 240 0200)
14	Black paperboard	Body interlining(315 240 0200)
15	Black leather	Body interlining(315 240 0300/315 240 0400)
16	Gold metal	Shell zipper teeth(315 240 0200/315 240 0300/315 240 0400)
17	Gold metal	Shell zipper slider(315 240 0200/315 240 0300/315 240 0400)
18	Gold metal	Shell zipper ring(315 240 0200/315 240 0300/315 240 0400)
19	Gold metal	Lining zipper slider(315 240 0200)
20	Gold metal	Lining zipper ring(315 240 0200)
21	Gold metal	Zipper stopper(315 240 0300)
22	Gold metal	D-ring(315 240 0200/315 240 0300/315 240 0400)
23	Gold metal	Hook body(315 240 0200)(318 240 0100)
24	Gold metal	Hook rivet(315 240 0200)(318 240 0100)
25	Gold metal	Hook under ring(315 240 0200)(318 240 0100)
26	Gold metal	Key ring(318 240 0200)
27	Gold metal	Connect ring(318 240 0200)





Specimen #	Specimen description	Location
28	Gold metal	Small O-ring
29	Grey wallet with wrist strap	Entire article(315 240 0200)
30	Grey phone pouch	Entire article(315 240 0300)
31	Grey small wallet	Entire article(315 240 0400)





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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