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United States

HOHENSTEIN 

Hohenstein Textile Testing Institute GmbH & Co. KG
Schloss Hohenstein
74357 Bönningheim
Germany

Report no. 23.0013726

from 11/20/2023

Order Date 11/7/2023
Period of Testing 11/7/2023 - 11/20/2023

Customer Reference

No customer references provided.

Aim of Test OEKO-TEX® STANDARD 100 Annex 6 product class II Edition 02.2023
Testing Material Five samples of reusable menstrua/incontinence underwear
Sampling The test object was sent to Hohenstein by the client.

Our Contact Person Division Softlines
(testing@hohenstein.com)

Report Approval



Alexandra Haga, B. Eng.
Produktspezialistin | Product Specialist Softlines

Dr. rer. nat. Christof Madinger
Chief Operating Officer

Summary

Passed



Please refer to the test overview for details.

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Testing Material

1 Underwear

Article no.	PO#0012023-RW
Customer information	Thinx for All, Brief, size M, colour gray
Color	Gray
Components	
1.1 Knitted fabric	Processing area: Main material Color: Gray
1.2 Knitted fabric	Customer information: 1st gusset layer Processing area: Gusset Color: Black
1.3 Knitted fabric	Customer information: 2nd gusset layer Processing area: Gusset Color: Black
1.4 Foil	Customer information: 3rd gusset layer Processing area: Gusset Characteristic: Transparent, Knitted Color: Black
1.5 Strap	Customer information: Waistband elastic Processing area: Hip Color: Black
1.6 Decorative tape	Customer information: Leg elastic Processing area: Leg Color: Black

1 Underwear



1 Underwear

2 Underwear

Article no.	PO#0012518
Customer information	Thinx Teens, Bikini, size M, colour black
Color	Black
Components	
2.1 Knitted fabric	Processing area: Main material Color: Black
2.2 Terry	Customer information: 1st gusset layer Processing area: Gusset Color: Black
2.3 Terry	Customer information: 2nd gusset layer Processing area: Gusset Color: Black
2.4 Foil	Customer information: 3rd gusset layer Characteristic: Transparent, Knitted Color: Black
2.5 Strap	Customer information: Waistband elastic Processing area: Hip Color: Black

2 Underwear

2.6 Decorative tape

Customer information: Leg elastic
 Processing area: Leg
 Color: Black



2 Underwear

3 Underwear

Article no.	PO#0012443
Customer information	Thinx for All Leaks, Brief, size L, colour slate
Color	Slate gray
Components	
3.1 Knitted fabric	Processing area: Main material Color: Slate gray
3.2 Terry	Customer information: 1st gusset layer Processing area: Gusset Color: Black
3.3 Terry	Customer information: 2nd gusset layer Processing area: Gusset Color: White
3.4 Foil	Customer information: 3rd gusset layer Processing area: Gusset Color: White

3 Underwear

3.5 Strap

Customer information: Waistband elastic
 Processing area: Hip
 Color: Slate gray

3.6 Decorative tape

Customer information: Leg elastic
 Processing area: Leg
 Color: Black



3 Underwear

4 Underwear

Article no.

PO#0012506-1

Customer information

Thinx, Hiphugger, size L, colour black

Color

Black

Components

4.1 Knitted fabric

Processing area: Main material
 Color: Black

4.2 Knitted fabric

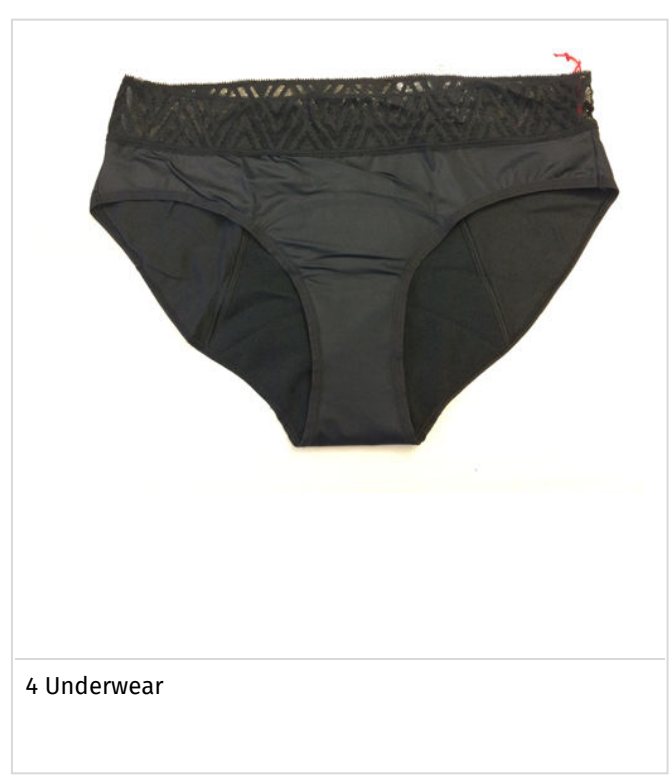
Customer information: 1st gusset layer
 Processing area: Gusset
 Color: Black

4.3 Terry

Customer information: 2nd gusset layer
 Processing area: Gusset
 Color: Black

4 Underwear

4.4 Terry	Customer information: 3rd gusset layer Processing area: Gusset Color: Black
4.5 Foil	Customer information: 4th gusset layer Processing area: Gusset Characteristic: Transparent, Knitted Color: Black
4.6 Strap	Customer information: Waistband elastic Processing area: Hip Color: Black
4.7 Decorative tape	Customer information: Leg elastic Processing area: Leg Color: Black



5 Underwear

Article no.	PO#0012524
Customer information	Speax by Thinx, Hiphugger, size L, colour black
Color	Black
Components	
5.1 Knitted fabric	Processing area: Main material Color: Black

5 Underwear

5.2 Terry

Customer information: 1st gusset layer
 Processing area: Gusset
 Color: Black

5.3 Terry

Customer information: 2nd gusset layer
 Processing area: Gusset
 Color: White

5.4 Foil

Customer information: 3rd gusset layer
 Processing area: Gusset
 Color: White

5.5 Strap

Customer information: Waistband elastic
 Processing area: Hip
 Color: Black

5.6 Decorative tape

Customer information: Leg elastic
 Processing area: Leg
 Color: Black



5 Underwear

Test Overview

Per- and polyfluorinated compounds/per- and polyfluoroalkyl substances		
1 Underwear	page 10	✓
2 Underwear	page 10	✓
3 Underwear	page 10	✓
4 Underwear	page 10	✓
5 Underwear	page 10	✓

Organic fluorine content		
1 Underwear	page 23	✓
2 Underwear	page 23	✓
3 Underwear	page 23	✓
4 Underwear	page 23	✓
5 Underwear	page 23	✓

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List of abbreviations

n.d. = not detectable

LOQ = Limit of quantitation

Appendix Table of Contents

Detail Results

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Detail Results

Per- and polyfluorinated compounds/per- and polyfluoroalkyl substances

The following results were evaluated against the limit values (LV): OEKO-TEX® STANDARD 100 Annex 6 product class II, 02.2023

	1.1	1.2	1.3	1.4	1.5	1.6	LOQ	LV
Perfluorooctane sulfonic acid and sulfonates (PFOS) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 0.2	-
Perfluorooctane sulfonamide (PFOSA) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 0.2	-
N-Methyl perfluorooctane sulfonamide (N-Me-FOSA) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 0.2	-
N-Ethyl perfluorooctane sulfonamide (N-Et-FOSA) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 0.2	-
N-Methyl perfluorooctane sulfonamide ethanol (N-Me-FOSE) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 1.0	-
N-Ethyl perfluorooctane sulfonamide ethanol (N-Et-FOSE) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 1.0	-
Sum PFOS, PFOSA, PFOSE, N-Me-FOSA, N-Et-FOSA, N-Me-FOSE, N-Et-FOSE [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 1.0
Perfluoroheptanoic acid and salts (PFHpA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluorononanoic acid and salts (PFNA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluorodecanoic acid and salts (PFDA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Henicosfluoroundecanoic acid and salts (PFUdA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Tricosfluorododecanoic acid and salts (PFDoA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Pentacosfluorotridecanoic acid and salts (PFTrDA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Heptacosfluorotetradecanoic acid and salts (PFTeDA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluorobutanoic acid and salts (PFBA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluoropentanoic acid and salts (PFPeA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluorohexanoic acid and salts (PFHxA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluoro(3,7-dimethyloctanoic acid) and salts (PF-3,7-DMOA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Sum PFHpA, PFNA, PFDA, PFUdA, PFDoA, PFTrDA, PFTeDA further perfluorinated carboxylic acids [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 25

	1.1	1.2	1.3	1.4	1.5	1.6	LOQ	LV
Perfluorobutane sulfonic acid and salts (PFBS) [µg/kg]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluorohexane sulfonic acid and salts (PFHxS) [µg/kg]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluoroheptane sulfonic acid and salts (PFHpS) [µg/kg]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Henicosafuorodecane sulfonic acid and salts (PFDS) [µg/kg]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Sum Perfluorinated sulfonic acids [µg/kg]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 25
7H-Perfluoro heptanoic acid and salts (7HPFHpA) [µg/kg]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
2H,2H,3H,3H-Perfluoroundecanoic acid and salts (4HPFUa) [µg/kg]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid and salts (1H, 1H, 2H, 2H-PFOS) [µg/kg]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Sum Partially fluorinated carboxylic / sulfonic acids [µg/kg]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	≤ 25
1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH) [µg/kg]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH) [µg/kg]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH) [µg/kg]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH) [µg/kg]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
Sum Partially fluorinated linear alcohols [µg/kg]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 250
1H,1H,2H,2H-Perfluorooctyl acrylate (6:2 FTA) [µg/kg]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA) [µg/kg]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
1H,1H,2H,2H-Perfluorododecyl acrylate (10:2 FTA) [µg/kg]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
Sum Esters of fluorinated alcohols with acrylic acid [µg/kg]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 250
Perfluorooctanoic acid and salts (PFOA) [µg/kg]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 25
1H,1H,2H,2H-Perfluorodecane sulfonic acid and salts (8:2 FTS) [µg/kg]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Sum PFOA related substances [µg/kg]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 250
2,3,3,3-tetrafluoro-2-(heptafluoro propoxy)propionic acid, its salts and its acyl halides [µg/kg]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-

Per- and polyfluorinated compounds/per- and polyfluoroalkyl substances (Cont.)

	2.1	2.2	2.3	2.4	2.5	2.6	LOQ	LV
Perfluorooctane sulfonic acid and sulfonates (PFOS) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 0.2	-
Perfluorooctane sulfonamide (PFOSA) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 0.2	-
N-Methyl perfluorooctane sulfonamide (N-Me-FOSA) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 0.2	-
N-Ethyl perfluorooctane sulfonamide (N-Et-FOSA) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 0.2	-
N-Methyl perfluorooctane sulfonamide ethanol (N-Me-FOSE) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 1.0	-
N-Ethyl perfluorooctane sulfonamide ethanol (N-Et-FOSE) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 1.0	-
Sum PFOS, PFOSA, PFOSE, N-Me-FOSA, N-Et-FOSA, N-Me-FOSE, N-Et-FOSE [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 1.0
Perfluoroheptanoic acid and salts (PFHpA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluorononanoic acid and salts (PFNA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluorodecanoic acid and salts (PFDA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Henicosfluoroundecanoic acid and salts (PFUDA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Tricosfluorododecanoic acid and salts (PFDoA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Pentacosfluorotridecanoic acid and salts (PFTrDA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Heptacosfluorotetradecanoic acid and salts (PFTeDA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluorobutanoic acid and salts (PFBA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluoropentanoic acid and salts (PFPeA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluorohexanoic acid and salts (PFHxA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluoro(3,7-dimethyloctanoic acid) and salts (PF-3,7-DMOA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Sum PFHpA, PFNA, PFDA, PFUDA, PFDoA, PFTrDA, PFTeDA further perfluorinated carboxylic acids [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 25
Perfluorobutane sulfonic acid and salts (PFBS) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluorohexane sulfonic acid and salts (PFHxS) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-

	2.1	2.2	2.3	2.4	2.5	2.6	LOQ	LV
Perfluoroheptane sulfonic acid and salts (PFHpS) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Henicosafuorodecane sulfonic acid and salts (PFDS) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Sum Perfluorinated sulfonic acids [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 25
7H-Perfluoro heptanoic acid and salts (7HPFHpA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
2H,2H,3H,3H-Perfluoroundecanoic acid and salts (4HPFUa) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid and salts (1H, 1H, 2H, 2H-PFOS) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Sum Partially fluorinated carboxylic / sulfonic acids [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	≤ 25
1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
Sum Partially fluorinated linear alcohols [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 250
1H,1H,2H,2H-Perfluorooctyl acrylate (6:2 FTA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
1H,1H,2H,2H-Perfluorododecyl acrylate (10:2 FTA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
Sum Esters of fluorinated alcohols with acrylic acid [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 250
Perfluorooctanoic acid and salts (PFOA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 25
1H,1H,2H,2H-Perfluorodecane sulfonic acid and salts (8:2 FTS) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Sum PFOA related substances [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 250
2,3,3,3-tetrafluoro-2-(heptafluoro propoxy)propionic acid, its salts and its acyl halides [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-

Per- and polyfluorinated compounds/per- and polyfluoroalkyl substances (Cont.)

	3.1	3.2	3.3	3.4	3.5	3.6	LOQ	LV
Perfluorooctane sulfonic acid and sulfonates (PFOS) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 0.2	-
Perfluorooctane sulfonamide (PFOSA) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 0.2	-
N-Methyl perfluorooctane sulfonamide (N-Me-FOSA) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 0.2	-
N-Ethyl perfluorooctane sulfonamide (N-Et-FOSA) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 0.2	-
N-Methyl perfluorooctane sulfonamide ethanol (N-Me-FOSE) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 1.0	-
N-Ethyl perfluorooctane sulfonamide ethanol (N-Et-FOSE) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 1.0	-
Sum PFOS, PFOSA, PFOSF, N-Me-FOSA, N-Et-FOSA, N-Me-FOSE, N-Et-FOSE [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 1.0
Perfluoroheptanoic acid and salts (PFHpA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluorononanoic acid and salts (PFNA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluorodecanoic acid and salts (PFDA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Henicosfluoroundecanoic acid and salts (PFUdA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Tricosfluorododecanoic acid and salts (PFDoA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Pentacosfluorotridecanoic acid and salts (PFTrDA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Heptacosfluorotetradecanoic acid and salts (PFTeDA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluorobutanoic acid and salts (PFBA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluoropentanoic acid and salts (PFPeA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluorohexanoic acid and salts (PFHxA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluoro(3,7-dimethyloctanoic acid) and salts (PF-3,7-DMOA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Sum PFHpA, PFNA, PFDA, PFUdA, PFDoA, PFTrDA, PFTeDA further perfluorinated carboxylic acids [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 25
Perfluorobutane sulfonic acid and salts (PFBS) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluorohexane sulfonic acid and salts (PFHxS) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-

	3.1	3.2	3.3	3.4	3.5	3.6	LOQ	LV
Perfluoroheptane sulfonic acid and salts (PFHpS) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Henicosafuorodecane sulfonic acid and salts (PFDS) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Sum Perfluorinated sulfonic acids [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 25
7H-Perfluoro heptanoic acid and salts (7HPFHpA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
2H,2H,3H,3H-Perfluoroundecanoic acid and salts (4HPFUa) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid and salts (1H, 1H, 2H, 2H-PFOS) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Sum Partially fluorinated carboxylic / sulfonic acids [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	≤ 25
1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
Sum Partially fluorinated linear alcohols [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 250
1H,1H,2H,2H-Perfluorooctyl acrylate (6:2 FTA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
1H,1H,2H,2H-Perfluorododecyl acrylate (10:2 FTA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
Sum Esters of fluorinated alcohols with acrylic acid [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 250
Perfluorooctanoic acid and salts (PFOA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 25
1H,1H,2H,2H-Perfluorodecane sulfonic acid and salts (8:2 FTS) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Sum PFOA related substances [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 250
2,3,3,3-tetrafluoro-2-(heptafluoro propoxy)propionic acid, its salts and its acyl halides [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-

Per- and polyfluorinated compounds/per- and polyfluoroalkyl substances (Cont.)

	4.1	4.2	4.3	4.4	4.5	4.6	LOQ	LV
Perfluorooctane sulfonic acid and sulfonates (PFOS) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 0.2	-
Perfluorooctane sulfonamide (PFOSA) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 0.2	-
N-Methyl perfluorooctane sulfonamide (N-Me-FOSA) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 0.2	-
N-Ethyl perfluorooctane sulfonamide (N-Et-FOSA) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 0.2	-
N-Methyl perfluorooctane sulfonamide ethanol (N-Me-FOSE) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 1.0	-
N-Ethyl perfluorooctane sulfonamide ethanol (N-Et-FOSE) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 1.0	-
Sum PFOS, PFOSA, PFOSF, N-Me-FOSA, N-Et-FOSA, N-Me-FOSE, N-Et-FOSE [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 1.0
Perfluoroheptanoic acid and salts (PFHpA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluorononanoic acid and salts (PFNA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluorodecanoic acid and salts (PFDA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Henicosafuoroundecanoic acid and salts (PFUdA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Tricosafuorododecanoic acid and salts (PFDoA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Pentacosafuorotridecanoic acid and salts (PFTrDA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Heptacosafuorotetradecanoic acid and salts (PFTeDA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluorobutanoic acid and salts (PFBA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluoropentanoic acid and salts (PFPeA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluorohexanoic acid and salts (PFHxA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluoro(3,7-dimethyloctanoic acid) and salts (PF-3,7-DMOA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Sum PFHpA, PFNA, PFDA, PFUdA, PFDoA, PFTrDA, PFTeDA further perfluorinated carboxylic acids [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 25
Perfluorobutane sulfonic acid and salts (PFBS) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluorohexane sulfonic acid and salts (PFHxS) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-

	4.1	4.2	4.3	4.4	4.5	4.6	LOQ	LV
Perfluoroheptane sulfonic acid and salts (PFHpS) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Henicosafuorodecane sulfonic acid and salts (PFDS) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Sum Perfluorinated sulfonic acids [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 25
7H-Perfluoro heptanoic acid and salts (7HPFHpA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
2H,2H,3H,3H-Perfluoroundecanoic acid and salts (4HPFUa) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid and salts (1H, 1H, 2H, 2H-PFOS) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Sum Partially fluorinated carboxylic / sulfonic acids [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	≤ 25
1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
Sum Partially fluorinated linear alcohols [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 250
1H,1H,2H,2H-Perfluorooctyl acrylate (6:2 FTA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
1H,1H,2H,2H-Perfluorododecyl acrylate (10:2 FTA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
Sum Esters of fluorinated alcohols with acrylic acid [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 250
Perfluorooctanoic acid and salts (PFOA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 25
1H,1H,2H,2H-Perfluorodecane sulfonic acid and salts (8:2 FTS) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Sum PFOA related substances [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 250
2,3,3,3-tetrafluoro-2-(heptafluoro propoxy)propionic acid, its salts and its acyl halides [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-

Per- and polyfluorinated compounds/per- and polyfluoroalkyl substances (Cont.)

	4.7	5.1	5.2	5.3	5.4	5.5	LOQ	LV
Perfluorooctane sulfonic acid and sulfonates (PFOS) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 0.2	-
Perfluorooctane sulfonamide (PFOSA) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 0.2	-
N-Methyl perfluorooctane sulfonamide (N-Me-FOSA) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 0.2	-
N-Ethyl perfluorooctane sulfonamide (N-Et-FOSA) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 0.2	-
N-Methyl perfluorooctane sulfonamide ethanol (N-Me-FOSE) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 1.0	-
N-Ethyl perfluorooctane sulfonamide ethanol (N-Et-FOSE) [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 1.0	-
Sum PFOS, PFOSA, PFOSE, N-Me-FOSA, N-Et-FOSA, N-Me-FOSE, N-Et-FOSE [$\mu\text{g}/\text{m}^2$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 1.0
Perfluoroheptanoic acid and salts (PFHpA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluorononanoic acid and salts (PFNA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluorodecanoic acid and salts (PFDA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Henicosfluoroundecanoic acid and salts (PFUdA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Tricosfluorododecanoic acid and salts (PFDoA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Pentacosfluorotridecanoic acid and salts (PFTrDA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Heptacosfluorotetradecanoic acid and salts (PFTeDA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluorobutanoic acid and salts (PFBA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluoropentanoic acid and salts (PFPeA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluorohexanoic acid and salts (PFHxA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluoro(3,7-dimethyloctanoic acid) and salts (PF-3,7-DMOA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Sum PFHpA, PFNA, PFDA, PFUdA, PFDoA, PFTrDA, PFTeDA further perfluorinated carboxylic acids [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 25
Perfluorobutane sulfonic acid and salts (PFBS) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Perfluorohexane sulfonic acid and salts (PFHxS) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-

	4.7	5.1	5.2	5.3	5.4	5.5	LOQ	LV
Perfluoroheptane sulfonic acid and salts (PFHpS) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Henicosafuorodecane sulfonic acid and salts (PFDS) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Sum Perfluorinated sulfonic acids [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 25
7H-Perfluoro heptanoic acid and salts (7HPFHpA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
2H,2H,3H,3H-Perfluoroundecanoic acid and salts (4HPFUa) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid and salts (1H, 1H, 2H, 2H-PFOS) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Sum Partially fluorinated carboxylic / sulfonic acids [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	≤ 25
1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
Sum Partially fluorinated linear alcohols [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 250
1H,1H,2H,2H-Perfluorooctyl acrylate (6:2 FTA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
1H,1H,2H,2H-Perfluorododecyl acrylate (10:2 FTA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 200	-
Sum Esters of fluorinated alcohols with acrylic acid [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 250
Perfluorooctanoic acid and salts (PFOA) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	< 25
1H,1H,2H,2H-Perfluorodecane sulfonic acid and salts (8:2 FTS) [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-
Sum PFOA related substances [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	< 250
2,3,3,3-tetrafluoro-2-(heptafluoro propoxy)propionic acid, its salts and its acyl halides [$\mu\text{g}/\text{kg}$]	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 10	-

Per- and polyfluorinated compounds/per- and polyfluoroalkyl substances (Cont.)

	5.6	LOQ	LV
Perfluorooctane sulfonic acid and sulfonates (PFOS) [$\mu\text{g}/\text{m}^2$]	n.d.	< 0.2	-
Perfluorooctane sulfonamide (PFOSA) [$\mu\text{g}/\text{m}^2$]	n.d.	< 0.2	-
N-Methyl perfluorooctane sulfonamide (N-Me-FOSA) [$\mu\text{g}/\text{m}^2$]	n.d.	< 0.2	-
N-Ethyl perfluorooctane sulfonamide (N-Et-FOSA) [$\mu\text{g}/\text{m}^2$]	n.d.	< 0.2	-
N-Methyl perfluorooctane sulfonamide ethanol (N-Me-FOSE) [$\mu\text{g}/\text{m}^2$]	n.d.	< 1.0	-
N-Ethyl perfluorooctane sulfonamide ethanol (N-Et-FOSE) [$\mu\text{g}/\text{m}^2$]	n.d.	< 1.0	-
Sum PFOS, PFOSA, PFOSF, N-Me-FOSA, N-Et-FOSA, N-Me-FOSE, N-Et-FOSE [$\mu\text{g}/\text{m}^2$]	n.d.	-	< 1.0
Perfluoroheptanoic acid and salts (PFHpA) [$\mu\text{g}/\text{kg}$]	n.d.	< 10	-
Perfluorononanoic acid and salts (PFNA) [$\mu\text{g}/\text{kg}$]	n.d.	< 10	-
Perfluorodecanoic acid and salts (PFDA) [$\mu\text{g}/\text{kg}$]	n.d.	< 10	-
Henicosfluoroundecanoic acid and salts (PFUDA) [$\mu\text{g}/\text{kg}$]	n.d.	< 10	-
Tricosfluorododecanoic acid and salts (PFDoA) [$\mu\text{g}/\text{kg}$]	n.d.	< 10	-
Pentacosfluorotridecanoic acid and salts (PFTrDA) [$\mu\text{g}/\text{kg}$]	n.d.	< 10	-
Heptacosfluorotetradecanoic acid and salts (PFTeDA) [$\mu\text{g}/\text{kg}$]	n.d.	< 10	-
Perfluorobutanoic acid and salts (PFBA) [$\mu\text{g}/\text{kg}$]	n.d.	< 10	-
Perfluoropentanoic acid and salts (PFPeA) [$\mu\text{g}/\text{kg}$]	n.d.	< 10	-
Perfluorohexanoic acid and salts (PFHxA) [$\mu\text{g}/\text{kg}$]	n.d.	< 10	-
Perfluoro(3,7-dimethyloctanoic acid) and salts (PF-3,7-DMOA) [$\mu\text{g}/\text{kg}$]	n.d.	< 10	-
Sum PFHpA, PFNA, PFDA, PFUDA, PFDoA, PFTrDA, PFTeDA further perfluorinated carboxylic acids [$\mu\text{g}/\text{kg}$]	n.d.	-	< 25
Perfluorobutane sulfonic acid and salts (PFBS) [$\mu\text{g}/\text{kg}$]	n.d.	< 10	-
Perfluorohexane sulfonic acid and salts (PFHxS) [$\mu\text{g}/\text{kg}$]	n.d.	< 10	-

	5.6	LOQ	LV
Perfluoroheptane sulfonic acid and salts (PFHpS) [$\mu\text{g}/\text{kg}$]	n.d.	< 10	-
Henicosafuorodecane sulfonic acid and salts (PFDS) [$\mu\text{g}/\text{kg}$]	n.d.	< 10	-
Sum Perfluorinated sulfonic acids [$\mu\text{g}/\text{kg}$]	n.d.	-	< 25
7H-Perfluoro heptanoic acid and salts (7HPFHpA) [$\mu\text{g}/\text{kg}$]	n.d.	< 10	-
2H,2H,3H,3H-Perfluoroundecanoic acid and salts (4HPFUa) [$\mu\text{g}/\text{kg}$]	n.d.	< 10	-
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid and salts (1H, 1H, 2H, 2H-PFOS) [$\mu\text{g}/\text{kg}$]	n.d.	< 10	-
Sum Partially fluorinated carboxylic / sulfonic acids [$\mu\text{g}/\text{kg}$]	n.d.	-	≤ 25
1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH) [$\mu\text{g}/\text{kg}$]	n.d.	< 200	-
1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH) [$\mu\text{g}/\text{kg}$]	n.d.	< 200	-
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH) [$\mu\text{g}/\text{kg}$]	n.d.	< 200	-
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH) [$\mu\text{g}/\text{kg}$]	n.d.	< 200	-
Sum Partially fluorinated linear alcohols [$\mu\text{g}/\text{kg}$]	n.d.	-	< 250
1H,1H,2H,2H-Perfluorooctyl acrylate (6:2 FTA) [$\mu\text{g}/\text{kg}$]	n.d.	< 200	-
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA) [$\mu\text{g}/\text{kg}$]	n.d.	< 200	-
1H,1H,2H,2H-Perfluorododecyl acrylate (10:2 FTA) [$\mu\text{g}/\text{kg}$]	n.d.	< 200	-
Sum Esters of fluorinated alcohols with acrylic acid [$\mu\text{g}/\text{kg}$]	n.d.	-	< 250
Perfluorooctanoic acid and salts (PFOA) [$\mu\text{g}/\text{kg}$]	n.d.	< 10	< 25
1H,1H,2H,2H-Perfluorodecane sulfonic acid and salts (8:2 FTS) [$\mu\text{g}/\text{kg}$]	n.d.	< 10	-
Sum PFOA related substances [$\mu\text{g}/\text{kg}$]	n.d.	-	< 250
2,3,3,3-tetrafluoro-2-(heptafluoro propoxy)propionic acid, its salts and its acyl halides [$\mu\text{g}/\text{kg}$]	n.d.	< 10	-

Additional details for this test

Parameter hints:

Testing method according to OEKO-TEX® STANDARD 100

Perfluorooctane sulfonyl fluoride (PFOSF / POSF) determined as Perfluorooctane sulfonic acid and sulfonates (PFOS).

Result value details:**Sum PFOA related substances**

Any other substance, which can degrade to PFOA, including substances (also salts and polymers) having linear or branched perfluoroheptyl derivatives with the formula $(C_7F_{15})_n$ as a structural element. Except those derivatives with the formula $C_8F_{17}-X$, where $X=F, Cl, Br$ and fluoropolymers that are covered by $CF_3[CF_2]_n-R'$, where R' =any group, $n>16$ and perfluoroalkyl carboxylic acids (including their salts, esters, halides and anhydrides) with ≥ 8 perfluorinated carbons. Also excluded are perfluoroalkane sulfonic acids and perfluoro phosphonic acids (including their salts, esters, halides and anhydrides) with ≥ 9 perfluorinated carbons or, perfluorooctanesulfonic acid and its derivatives (PFOS), which are listed in the Appendix I Part A of the regulation VO (EU) 2019/1021.

2,3,3,3-tetrafluoro-2-(heptafluoro propoxy)propionic acid, its salts and its acyl halides

Is under observation and the result is provided for information but presently not regulated indeed.

Organic fluorine content

The following results were evaluated against the limit values (LV): OEKO-TEX® STANDARD 100 Annex 6 product class II, 02.2023

	1.1 [mg/kg]	1.2 [mg/kg]	1.3 [mg/kg]	1.4 [mg/kg]	1.5 [mg/kg]	1.6 [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
Extractable organic fluorine (EOF)	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 4.0	-

Organic fluorine content (Cont.)

	2.1 [mg/kg]	2.2 [mg/kg]	2.3 [mg/kg]	2.4 [mg/kg]	2.5 [mg/kg]	2.6 [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
Extractable organic fluorine (EOF)	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 4.0	-

Organic fluorine content (Cont.)

	3.1 [mg/kg]	3.2 [mg/kg]	3.3 [mg/kg]	3.4 [mg/kg]	3.5 [mg/kg]	3.6 [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
Extractable organic fluorine (EOF)	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 4.0	-

Organic fluorine content (Cont.)

	4.1 [mg/kg]	4.2 [mg/kg]	4.3 [mg/kg]	4.4 [mg/kg]	4.5 [mg/kg]	4.6 [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
Extractable organic fluorine (EOF)	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 4.0	-

Organic fluorine content (Cont.)

	4.7 [mg/kg]	5.1 [mg/kg]	5.2 [mg/kg]	5.3 [mg/kg]	5.4 [mg/kg]	5.5 [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
Extractable organic fluorine (EOF)	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	< 4.0	-

Organic fluorine content (Cont.)

	5.6 [mg/kg]	LOQ [mg/kg]	LV [mg/kg]
Extractable organic fluorine (EOF)	n.d.	< 4.0	-

Additional details for this test

Parameter hints:

Testing method according to OEKO-TEX® STANDARD 100

Result value details:

Extractable organic fluorine (EOF)

The result is provided for information but presently not regulated. The transition period for product classes II to IV ends on the 01.01.2024.