

Report No.: 168549876b 001
Client: NANJING 3H MEDICAL PRODUCTS CO.,LTD.
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Sample Description as Declared:

No. Of Sample : One
Fibre Content : -
Material : Raw material
Finishing : -
End Uses : -
Colour : Pink
Style No. : SBW25032804
Style Name# : Kinesiology Tape
Order No./PO No. : -
Standard : -
Buyer's Name : -
Manufacturer's Name : -
Ref. : -

Applicant's Provided Care Instruction/Label: -

Sample obtaining method: Sending by customer
Condition at delivery: Test item complete and undamaged.
Sample Receiving date: 2025-04-16
Testing Period: 2025-04-17 to 2025-04-24
Place of testing: Chemical laboratory Shenzhen

For and on behalf of
TÜV Rheinland (Shenzhen) Co., Ltd.



2025-04-25 Jacson Yin / Technical Executive

Date Name/Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.
This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.
"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.

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SUMMARY OF TEST RESULTS

Test parameter	Conclusion	Remark
Per-and polyfluoroalkyl substances	PASS	-

Material List:

Material No.	Material	Color	Location
M002	Textile + adhesive	Pink	B-Kinesiology tape

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1.Per-and polyfluoroalkyl substances

Test Method: For textile – Reference to prEN 17681-1:2023, determination by CI-GCMS, GC-MSMS and LC-MSMS.
For others material - In house method, determination by CI-GCMS, GC-MSMS and LC-MSMS.

Test Result :

Test No.				T001
Material No.				M002
Test Parameter	CAS NO	Unit	RL	Result
Perfluorooctanoic acid (PFOA) and its salts	335-67-1, various	mg/kg	0.01	< RL
2H,2H,3H,3H-Perfluoroundecanoic acid (8:3-FTCA / H4PFUnA) and its salts	34598-33-9, various	mg/kg	0.01	< RL
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2-FTS)	39108-34-4	mg/kg	0.1	< RL
1H,1H,2H,2H-Perfluorodecan-1-ol (8:2-FTOH)	678-39-7	mg/kg	0.1	< RL
8:2 Mono[2-(perfluorooctyl)ethyl] phosphate (8:2-PAP)	57678-03-2	mg/kg	0.1	< RL
Perfluorooctane sulfonate (PFOS) and its salts	1763-23-1, various	µg/m²	1	< RL
Perfluorooctanesulfonamide (PFOSA)	754-91-6	µg/m²	1	< RL
N-methylperfluoro-1-octanesulfonamide (Me-FOSA)	31506-32-8	µg/m²	1	< RL
N-ethylperfluoro-1-octanesulfonamide (Sulfluramid) (Et-FOSA)	4151-50-2	µg/m²	1	< RL
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (MeFOSE)	24448-09-7	µg/m²	1	< RL
N-Ethyl-N-(2-hydroxyethyl)perfluorooctylsulphonamide (EtFOSE)	1691-99-2	µg/m²	1	< RL
Perfluoro-n-nonanoic acid (PFNA) and its salts	375-95-1, various	mg/kg	0.01	< RL
Perfluoro-n-decanoic acid (PFDA) and its salts	335-76-2, various	mg/kg	0.01	< RL
Perfluoroundecanoic acid (PFUnA) and its salts	2058-94-8, various	mg/kg	0.01	< RL
n-Perfluorododecanoic acid (PFDoA) and its salts	307-55-1, various	mg/kg	0.01	< RL
Perfluorotridecanoic acid (PFTrA) and its salts	72629-94-8, various	mg/kg	0.01	< RL
n-Perfluorotetradecanoic acid (PFTeA)	376-06-7	mg/kg	0.01	< RL
Perfluoro-3,7-dimethyloctanoic acid (PF-3,7-DMOA)	172155-07-6	mg/kg	0.01	< RL
Perfluorodecane sulfonic acid (PFDS) and its salts	335-77-3, various	mg/kg	0.01	< RL
1H,1H,2H,2H-Perfluorododecanesulfonic acid (10:2-FTS)	120226-60-0	mg/kg	0.1	< RL
1H,1H,2H,2H-Perfluorododecan-1-ol (10:2-FTOH)	865-86-1	mg/kg	0.1	< RL
Perfluoro-n-hexanoic acid (PFHxA) and its salts	307-24-4, various	mg/kg	0.01	< RL
1H,1H,2H,2H-Perfluorooctan-1-ol (6:2-FTOH)	647-42-7	mg/kg	0.1	< RL
Perfluorohexanesulfonic acid (PFHxS) and its salts	355-46-4, various	mg/kg	0.01	< RL

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1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	27619-97-2	mg/kg	0.1	< RL
6:2 Mono[2-(perfluorohexyl)ethyl] phosphate (6:2-PAP)	57678-01-0	mg/kg	0.1	< RL
1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	mg/kg	0.1	< RL
N-Methylperfluoro-1-hexane sulfonamide (N-Me-FHxSA)	68259-15-4	mg/kg	0.01	< RL
Perfluorohexane sulfonamide (PFHxSA)	41997-13-1	mg/kg	0.01	< RL
2-Perfluorohexyl ethanoic acid (6:2 FTCA)	53826-12-3	mg/kg	0.1	< RL
N-(3-(Dimethylamino)propyl)tridecafluorohexanesulphonamide (N-AP-FHxSA)	50598-28-2	mg/kg	0.1	< RL
1H,1H-Tridecafluoro-1-heptanol (6:1 FTOH)	375-82-6	mg/kg	0.1	< RL
2-(Perfluorohexyl)ethylphosphonic acid (PFHEPA)	252237-40-4	mg/kg	0.1	< RL
Methyl pentadecafluorooctanoate (MePFOA)	376-27-2	mg/kg	0.1	< RL
Ethyl perfluorooctanoate (EtPFOA)	3108-24-5	mg/kg	0.1	< RL
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTCA)	27905-45-9	mg/kg	0.1	< RL
Perfluorooctylethyl Methacrylate (8:2-FTMAC)	1996-88-9	mg/kg	0.1	< RL
1H,1H,2H,2H-Perfluorododecyl acrylate (10:2-FTA)	17741-60-5	mg/kg	0.1	< RL
8:2 Fluorotelomer olefin (8:2 FTO)	21652-58-4	mg/kg	0.1	< RL
1H,1H,2H,2H-Perfluorooctyl methacrylate (6:2-FTMAC)	2144-53-8	mg/kg	0.1	< RL
1H,1H,2H,2H-Perfluorooctyl acrylate (6:2-FTA)	17527-29-6	mg/kg	0.1	< RL
Perfluorohexyl iodide (PFHxI)	355-43-1	mg/kg	0.1	< RL
2-(Perfluorodecyl)ethyl methacrylate (10:2 FTMA)	2144-54-9	mg/kg	0.1	< RL
1H,1H,2H,2H-Perfluorooctyl iodide (6:2 FTI)	2043-57-4	mg/kg	0.1	< RL
1H, 1H, 2H, 2H-Perfluorodecylchloromethylsilane (C8-PFSi)	3102-79-2	mg/kg	0.1	< RL
1H,1H,2H,2H-Heptadecafluoro-1-iododecane (8:2-FTI)	2043-53-0	mg/kg	0.1	< RL
1H,1H,2H,2H-Perfluorododecyl iodide (10:2 FTI)	2043-54-1	mg/kg	0.1	< RL
1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI)	30046-31-2	mg/kg	0.1	< RL
1H,1H,2H,2H-Perfluorooctyldimethylchlorosilane (C6-PFSi)	102488-47-1	mg/kg	0.1	< RL
1H,1H-Tridecafluoroheptyl iodide (6:1 FTI)	212563-43-4	mg/kg	0.1	< RL
1H,1H,2H,2H,3H,3H-Perfluorononyl iodide (6:3 FTI)	89889-20-3	mg/kg	0.1	< RL
Sum of PFOA related substances	/	mg/kg	-	<RL
Sum of PFOS and related substances (textiles or coated materials)	/	µg/m²	-	<RL
Sum of PFHxS-related compounds	/	mg/kg	-	<RL

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Sum of C9-C14 PFCAs and salts	/	mg/kg	-	<RL
Sum of C9-C14 PFCA related substances	/	mg/kg	-	<RL
Sum of PFHxA-related substances	-	mg/kg	-	< RL
Conclusion -PFOA, its salts and related compounds – According to Regulation (EU) 2019/1021				Pass
Conclusion -PFHxS, its salts and related compounds – According to EU Commission published Regulation (EU) 2023/1608 amending Annex I of the POP Regulation (EU) 2019/1021				Pass
Conclusion -PFHxA, its salts and related substances - According to Annex XVII of Regulation (EC) No 1907/2006 entry 79 (REACH)				Pass
Conclusion -Perfluorooctane sulfonic acid and its derivatives (PFOS) – According to Part A of Annex I to Regulation (EU) 2019/1021 (textile_Coated material)				Pass
Conclusion -C9-C14 PFCAs and related substance – According to Annex XVII of Regulation (EC) No 1907/2006 entry 68 (REACH)				Pass

Abbreviation: <=Less than
 RL=Reporting Limit
 mg/kg=milligram per kilogram
 µg/m²=microgram per square metre

Remark:

PFOA, its salts and related compounds – According to Regulation (EU) 2019/1021:

- a) Substances;
- b) Mixtures;
- c) Articles,

in a concentration of maximum 0.025 mg/kg (0.0000025 % by weight) of perfluorooctanoic acid (PFOA) and its salts or maximum 1 mg/kg (0.0001 % by weight) of one or a combination of PFOA-related substances.

The content of APFO, K-PFOA, Na-PFOA, Ag-PFOA and its salts is reported as PFOA.

Perfluorooctane sulfonic acid and its derivatives (PFOS) – According to Part A of Annex I to Regulation (EU) 2019/1021:

The concentrations of PFOS for textiles or other coated materials if the amount of PFOS is lower than 1 µg/m² of the coated material.

Perfluorooctane Sulfonate (PFOS), its salts and related substance list:

Test Parameter

Perfluorooctane sulfonate (PFOS) (1763-23-1),

Potassium Perfluorooctanesulfonate (PFOS-K) (2795-39-3),

Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH₄) (29081-56-9),

N-Decyl-N,N-dimethyl-1-decanaminium perfluorooctanesulfonate (PFOS-DDA) (251099-16-8),

Perfluorooctane sulfonate diethanolamine salt (PFOS-NH(OH)₂) (70225-14-8),

Perfluorooctanesulfonic acid, lithium salt (PFOS-Li) (29457-72-5),

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Perfluorooctanesulfonic acid, tetraethylammonium (PFOS-N(C₂H₅)₄) (56773-42-3),
Perfluorooctane sulfony fluoride (POSF) (307-35-7),
Perfluorooctanesulfonamide (PFOSA) (754-91-6),
N-methylperfluoro-1-octanesulfonamide (Me-FOSA) (31506-32-8),
N-ethylperfluoro-1-octanesulfonamide (Sulfluramid) (Et-FOSA) (4151-50-2),
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (MeFOSE) (24448-09-7),
N-Ethyl-N-(2-hydroxyethyl)perfluorooctylsulphonamide (EtFOSE) (1691-99-2).

PFHxS, its salts and related compounds – According to EU Commission published Regulation (EU) 2023/1608 amending Annex I of the POP Regulation (EU) 2019/1021: The limit value should be set at 0.025 mg/kg for PFHxS including its salts, and at 1 mg/kg for the individual PFHxS-related compounds or a combination of those compounds. The content of PFHxS-K, PFHxS-Na, PFHxS-NH₄ and its salts is reported as PFHxS.

Selected Perfluorinated carboxylic acids (C₉-C₁₄ PFCAs) and related substances: Requirements according to Annex XVII of Regulation (EC) No 1907/2006 entry 68 (REACH) for perfluorinated carboxylic acids (C₉-C₁₄-PFCA) their salts and C₉-C₁₄-PFCA related substances amended by Regulation (EU) 2021/1297.

Shall not be used or placed on the market after 25 February 2023:

- (a) another substance, as a constituent;
- (b) in a mixture;
- (c) in an article,

except if the concentration in the substance, the mixture, or the article is below 25 ppb for the sum of C₉-C₁₄ PFCAs and their salts or 260 ppb for the sum of C₉-C₁₄ PFCA-related substances.

*1

The following substances are reported as PFHxA:

Perfluoro-n-hexanoic acid (PFHxA) (307-24-4)
Ammonium perfluorohexanoate (PFHxA-NH₄) (21615-47-4)
Potassium perfluorohexanoate (PFHxA-K) (3109-94-2)
Sodium perfluorohexanoate (PFHxA-Na) (2923-26-4)
Silver perfluorohexanoate (PFHxA-Ag) (336-02-7)
Lithium perfluorohexanoate (PFHxA-Li) (90430-61-8)
Undecafluorohexanoic acid--piperazine (1/1) (423-47-2)
Perfluorohexanoate / Undecafluorohexanoic acid anion (92612-52-7)
Undecafluorohexanoic acid--hexan-1-amine (1/1) (565225-91-4)
1-phenylpiperazine; 2,2,3,3,4,4,5,5,6,6,6-undecafluorohexanoic acid (985-60-4)
Perfluorohexanoic anhydride (308-13-4)
Perfluorohexanoyl chloride (PFHxA-Cl) (335-53-5)
Perfluorohexanoyl fluoride (PFHxA-F) (355-38-4)

*2

The following substance is reported as PFHEPA:

Sodium hydrogen ((perfluorohexyl)ethyl)phosphonate (PFHEPA-Na) (1189052-95-6)

*3

The following substances are reported as 6:2 FTS:

2-(Perfluorohexyl)ethanesulfonyl chloride (6:2 FTS-Cl) (27619-89-2)
Potassium 1H,1H,2H,2H-Perfluorooctanesulfonate (6:2 FTS-K) (59587-38-1)
Ammonium 1H,1H,2H,2H-Perfluorooctanesulfonate (6:2 FTS-NH₄) (59587-39-2)

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- *4 Requirements according to Annex XVII of Regulation (EC) No 1907/2006 entry 79 (REACH) for Perfluoro-n-hexanoic acid (PFHxA), its salts and related substances amended by Regulation (EU) 2024/2462.

Shall not be used or placed on the market after 10 October 2026:

- (a) textiles, leather, furs and hides in clothing and related accessories for the general public.
- (b) footwear for the general public.
- (c) paper and cardboard used as food contact materials within the scope of Regulation (EC) No 1935/2004;
- (d) mixtures for the general public.
- (e) cosmetic products as defined in Article 2(1), point (a), of Regulation (EC) No 1223/2009,

Shall not be used or placed on the market after 10 October 2027:

- (f) textiles, leather, furs and hides, other than in clothing and related accessories referred to in paragraph (a), for the general public.

except if the concentration in homogeneous material is below 25 ppb for the sum of PFHxA and its salts, or 1000 ppb for the sum of PFHxA-related substances.

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Sample Photo



M002

- END -

