



Technical Report: (9624) 004-0325
Date Received: NOVEMBER 21, 2023

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FROGUT SP. ZOO
UL. KSAWEROW 20/2, 02-656 WARSZAWA, POLAND

Sample Description:	NON-SOFTENING PAPER STRAWS WITH AQUA-DISPERSION COATING AND STRAIGHT WELDING		
Vendor:	/	Sample Size:	/
Manufacturer:	/	VPN:	/
Buyer:	/	SKN/SKU No.:	/
Agent:	/	PO No.:	/
Labeled Age Grade:	/	Country of Origin:	/
Appropriate Age Grade:	/	Assortment No.:	/
Client Specified Age Grade:	/	Department No.:	/
Tested Age Grade:	/	ITEM#:	/
UPC Code:	/	Model/Style#:	/
Phase of Production:	/	Date of Production:	/
Color:	/	Country of Destination:	EU
Program:	/		
Previous No:	N/A		

TEST:

1. Perfluorinated and Polyfluorinated Chemicals (PFAS)

EXECUTIVE SUMMARY:

The sample(s) was tested to the following requirement(s) and the data provided is for informational purposes only:

1. The Perfluorinated and Polyfluorinated Chemicals (PFAS) test of the client's specification.

Note(s):

- This report includes the test result(s) which was conducted & reviewed by Analytical department.



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If there is any question regarding this report, please contact the following lab personnel:

BVCPS Contact information for this report:

Technical questions:

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BUREAU VERITAS CONSUMER PRODUCTS SERVICES (VN) LTD.

SURI TRAN
DEPUTY MANAGER – ANALYTICAL



SAMPLE DESCRIPTION ASSIGNED BY LABORATORY

Test Item(s)	Sample description/ Location	Material	Style(s)
I001	WHITE PAPER / STRAW	PAPER	-

TEST RESULT

Perfluorinated and Polyfluorinated Chemicals (PFAS)

Test Method : In house method and analysis by Gas Chromatography (GC) and Liquid Chromatography (LC).

Maximum Limit:	-
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Tested Item(s)	Result			Conclusion
	Detected Analyte(s)	Conc.	Unit	
I001	ND	ND	mg/Kg	DATA

Note:

ND = Not detected
 $\mu\text{g}/\text{m}^2$ = microgram per square metre
 Detection Limit: Each of PFAS: 0.01 mg/Kg

">" = More than
 ppb = part per billion

Remark:

- The list of perfluorinated and polyfluorinated chemicals is summarized in table of Appendix.

List of Per- and Polyfluoroalkyl substances (PFAS)

No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	30	N-Ethylperfluoro-1-octanesulfonamide (N-Et-FOSA)	4151-50-2
2	Perfluorooctanesulfonic acid, potassium salt (PFOS-K)	2795-39-3	31	N-Methylperfluoro-1-octanesulfonamide (N-Me-FOSA)	31506-32-8
3	Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5	32	2-(N-Ethylperfluoro-1-octanesulfonamido)-ethanol (N-Et-FOSE)	1691-99-2
4	Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH ₄)	29081-56-9	33	2-(N-Methylperfluoro-1-octanesulfonamido)-ethanol (N-Me-FOSE)	24448-09-7
5	Perfluorooctane sulfonate diethanolamine salt (PFOS-NH(OH) ₂)	70225-14-8	34	Perfluoro-1-octanesulfonyl fluoride (POSF)	307-35-7
6	Perfluorooctanesulfonic acid, tetraethylammonium salt (PFOS-N(C ₂ H ₅) ₄)	56773-42-3	35	Perfluorooctane sulfonamide (PFOSA)	754-91-6
7	Perfluorooctanoic acid (PFOA) 335-95-5 Sodium perfluorooctanoate (PFOA)	335-67-1	36	Silver perfluorooctanoate (PFOA-Ag)	335-93-3
8	Sodium perfluorooctanoate (PFOA-Na)	335-95-5	37	Perfluorooctanoyl fluoride (PFOA-F)	335-66-0
9	Potassium perfluorooctanoate (PFOA-K)	2395-00-8	38	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1
10	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	39	1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA)	27905-45-9
11	Methyl perfluorooctanoate (Me-PFOA)	376-27-2	40	1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)	1996-88-9
12	Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	41	Sodium salts of Perfluorononan-1-oic-acid	21049-39-8
13	1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA)	17527-29-6	42	Ammonium salts of perfluorononan-1-oic-acid	4149-60-4
14	Perfluorohexane Sulfonic acid (PFHxS)	355-46-4	43	Perfluorobutane Sulfonate (PFBS)	375-73-5
15	1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH)	647-42-7	44	Perfluoroheptane Sulfonate	375-92-8
16	Perfluoroheptanoic acid	375-85-9	45	Perfluoropentanoic acid	2706-90-3
17	Perfluorononanoic Acid (PFNA, C ₉ -PFCA)	375-95-1	46	Perfluorotridecanoic Acid (PFT ₃ DA, C ₁₃ -PFCA)	72629-94-8
18	Perfluorodecanoic Acid (PFDA, C ₁₀ -PFCA)	335-76-2	47	Perfluorotetradecanoic Acid (PFT ₄ DA, C ₁₄ -PFCA)	376-06-7
19	Perfluoroundecanoic Acid (PFUnA, C ₁₁ -PFCA)	2058-94-8	48	Perfluoro-3-7-dimethyloctanecarboxylate (PF-3,7-DMOA)	172155-07-6
20	Perfluorododecanoic Acid (PFDoA, C ₁₂ -PFCA)	307-55-1	49	Perfluoro-1-iodooctane (PFOI)	507-63-1
21	1H,1H,2H,2H-Perfluorododecyl acrylate (10:2 FTA)	17741-60-5	50	Perfluorodecyl iodide	423-62-1
22	1H,1H,2H,2H-Perfluorododecanol (10:2 FTOH)	865-86-1	51	1H,1H,2H,2H-Perfluorodecyl iodide (10:2 FTI)	2043-54-1
23	2H,2H,3H,3H-Perfluoroundecanoic acid (H ₄ PFUnA)	34598-33-9	52	Perfluorooctanesulphonic acid 1H, 1H, 2H, 2H	27619-97-2
24	Perfluorocylethanol 8:2 (8:2 FTOH)	678-39-7	53	Perfluorodecane Sulfonate (PFDS)	335-77-3
25	Perfluorohexanoic Acid (PFHxA, C ₆ -PFCA)	307-24-4	54	Perfluorobutane Acid (PFBA)	375-22-4
26	7HDodecanefluoroheptane Acid	1546-95-8	55	N,N,N,-triethylethanaminium	25628-08-4



**BUREAU
VERITAS**

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	(HPFHpA)			1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate	
27	1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonyl fluoride	375-72-4	56	Mono[2-(perfluorooctyl)ethyl]Phosphate, 8:2 PAP	57678-03-2
28	N,N,N,-triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate	25628-08-4	57	2H,2H-Perfluorodecane Acid (H2PFDA)	882489-14-7
29	1-Decanaminium, N-decyl-N,N-dimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonic acid (1:1)	251099-16-8	58	Heptadecafluorooctanesulfonic acid tetraethylammonium salt	56773-42-3



