

Test Report

No.: HKF21800069M01

DATE: 2022/05/24

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INFINITY FOILS INC.


14614 W. 106TH STREET, LENEXA, KS 66215, USA

The following sample(s) was/were submitted and identified by/on behalf of the applicant as :

Sample Description : COLD FOILS
Style/Item No. : MCVU, MCVU-H, MCOF, HCVU

Sample Receiving Date : 2021/08/17
Testing Period : 2021/08/17 to 2021/08/26

Test Result(s) : Please refer to next page(s).


Ray Chang, Ph.D. / Department Manager
Signed for and on behalf of
SGS Taiwan Ltd.
Chemical Laboratory-Kaohsiung



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Test Part Description

No.1 : SILVER/GOLD COLORED PLASTIC FILM

Test Result(s)

Test Item(s)	Method	Unit	RL	Result
				No.1
PFAS				
Perfluorododecanoic Acid (PFDoA) (CAS No.307-55-1)	With reference to CEN/TS 15968:2010. Analysis was performed by LC/MS/MS.	mg/kg	1	n.d.
Perfluorobutane Acid (PFBA) (CAS No.375-22-4)		mg/kg	1	n.d.
Perfluorononane Acid (PFNA) (CAS No.375-95-1)		mg/kg	1	n.d.
2H,2H,3H,3H-Perfluoroundecanoic Acid (4HPFUnA) (CAS No.34598-33-9)		mg/kg	1	n.d.
Perfluorooctanesulfonic acid,tetraethylammonium salt (PFOS-N(C2H5)4) (CAS No.56773-42-3)		mg/kg	0.01▲	n.d.
N-Ethyl-Perfluorooctanesulfonamidoethanol (N-Et-FOSE alcohol) (CAS No.1691-99-2)		mg/kg	0.01	n.d.
Perfluorodecane Sulfonate (PFDS) (CAS No.126105-34-8/ 335-77-3)		mg/kg	1	n.d.
Perfluorohexane Acid (PFHxA) (CAS No.307-24-4)		mg/kg	1	n.d.
Perfluorohexane sulfonate (PFHxS) (CAS No.355-46-4)		mg/kg	0.01	n.d.
Potassium Perfluorooctanesulfonate (PFOS-K) (CAS No.2795-39-3)		mg/kg	0.01▲	n.d.
Perfluoroundecanoic Acid (PFUnA) (CAS No.2058-94-8)		mg/kg	1	n.d.
Perfluorodecanesulfonate Na-salt (PFDS-Na) (CAS No.2806-15-7)		mg/kg	1▲	n.d.
Perfluorobutane Sulfonate (PFBS) (CAS No.375-73-5)		mg/kg	1	n.d.

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Test Item(s)	Method	Unit	RL	Result
				No.1
Sodium perfluorooctanoate (PFOA-Na) (CAS No.335-95-5)	With reference to CEN/TS 15968:2010. Analysis was performed by LC/MS/MS.	mg/kg	0.01▲	n.d.
Perfluorooctanesulfonamide (PFOSA) (CAS No.754-91-6)		mg/kg	0.01	n.d.
Perfluoroaliphatic Dean-sulfonate salt of NH4 (PFDS-NH4) (CAS No.67906-42-7)		mg/kg	1▲	n.d.
Perfluorohexanesulfonate K-salt (PFHxS-K) (CAS No.3871-99-6)		mg/kg	0.01▲	n.d.
Perfluorononanoate ammonium salt (APFN) (CAS No.4149-60-4)		mg/kg	1▲	n.d.
1H,1H,2H,2H-Perfluorooctanesulphonic acid (H4PFOS 6:2) (CAS No.27619-97-2)		mg/kg	1	n.d.
PFOA and its salts (CAS No.335-67-1 and its salts)		mg/kg	0.01	n.d.
Potassium perfluorooctanoate (PFOA-K) (CAS No.2395-00-8)		mg/kg	0.01▲	n.d.
Silver perfluorooctanoate (PFOA-Ag) (CAS No.335-93-3)		mg/kg	0.01▲	n.d.
Perfluorodecane Acid (PFDA) (CAS No.335-76-2)		mg/kg	1	n.d.
N-Methyl-Perfluorooctanesulfonamide (N-Me-FOSA) (CAS No.31506-32-8)		mg/kg	0.01	n.d.
Perfluorooctane sulfonate diethanolamine salt (PFOS-NH(OH)2) (CAS No.70225-14-8)		mg/kg	0.01▲	n.d.
N-ethylperfluoro-1-octanesulfonamide (EtFOSA) (CAS No.4151-50-2)		mg/kg	0.01	n.d.
Perfluorodecanoate Na-salt (PFDA-Na) (CAS No.3830-45-3)		mg/kg	1▲	n.d.
PFOS and its salts (CAS No.1763-23-1 and its salts)		mg/kg	0.01	n.d.
Perfluorodecanesulfonate K-salt (PFDS-K) (CAS No.2806-16-8)	mg/kg	1▲	n.d.	

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Test Item(s)	Method	Unit	RL	Result
				No.1
Perfluorotetradecanoic Acid (PFTeA) (CAS No.376-06-7)	With reference to CEN/TS 15968:2010. Analysis was performed by LC/MS/MS.	mg/kg	1	n.d.
2H,2H-Perfluorodecane Acid (H2PFDA) (CAS No.882489-14-7)		mg/kg	1	n.d.
Perfluorohexanesulfonate NA-salt (PFHxS-Na) (CAS No.82382-12-5)		mg/kg	0.01▲	n.d.
Perfluoroheptanesulfonate Na-salt (PFHpS-Na) (CAS No.68555-66-8)		mg/kg	1▲	n.d.
Perfluorotridecanoic Acid (PFTrA) (CAS No.72629-94-8)		mg/kg	1	n.d.
Perfluorobutane Sulfonate K-salt (PFBS-K) (CAS No.29420-49-3)		mg/kg	1▲	n.d.
Perfluoroheptane Acid (PFHpA) (CAS No.375-85-9)		mg/kg	1	n.d.
Perfluoroheptane Sulfonate (PFHpS) (CAS No.375-92-8)		mg/kg	1	n.d.
N-decyl-N,N-dimethyldecane-1-aminium 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate (PFOS-DDA) (CAS No.251099-16-8)		mg/kg	0.01▲	n.d.
Perfluoro-3,7-dimethyloctanoic acid (PF-3,7-DMOA) (CAS No.172155-07-6)		mg/kg	1	n.d.
Perfluorodecanoate ammonium salt(APFDA) (CAS No.3108-42-7)		mg/kg	1▲	n.d.
Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH4) (CAS No.29081-56-9)		mg/kg	0.01▲	n.d.
Perfluorononanoate NA-Salt (PFNA-Na) (CAS No.21049-39-8)		mg/kg	1▲	n.d.
Perfluorooctane Sulfonyl fluoride (POSF) (CAS No.307-35-7)		mg/kg	0.01▲	n.d.
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS) (CAS No.39108-34-4)		mg/kg	0.01	n.d.
Perfluoropentane Acid (PFPA) (CAS No.2706-90-3)	mg/kg	1	n.d.	

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Test Item(s)	Method	Unit	RL	Result
				No.1
N-Methyl-Perfluorooctanesulfonamidoethanol (N-Me-FOSE alcohol) (CAS No.24448-09-7)	With reference to CEN/TS 15968:2010. Analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
7H-Dodecanefluoroheptane Acid (HPFHpA) (CAS No.1546-95-8)		mg/kg	1	n.d.
Ammonium pentadecafluorooctanoate (APFO) (CAS No.3825-26-1)		mg/kg	0.01▲	n.d.
Perfluorooctanoyl fluoride (PFOA-F) (CAS No.335-66-0)		mg/kg	0.01▲	n.d.
Perfluorooctanesulfonic acid, lithium salt (PFOS-Li) (CAS No.29457-72-5)		mg/kg	0.01▲	n.d.
PFAS				
1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH) (CAS No.647-42-7)	With reference to CEN/TS 15968:2010. Analysis was performed by GC/MS.	mg/kg	1	n.d.
Perfluoro-1-iodooctane (PFOI) (CAS No.507-63-1)		mg/kg	0.1	n.d.
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH) (CAS No.865-86-1)		mg/kg	1	n.d.
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA) (CAS No.27905-45-9)		mg/kg	0.1	n.d.
1H,1H,2H,2H-Perfluorododecyl acrylate (10:2 FTA) (CAS No.17741-60-5)		mg/kg	1	n.d.
1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA) (CAS No.1996-88-9)		mg/kg	0.1	n.d.
1H,1H,2H,2H-Perfluorooctyl acrylate (6:2 FTA) (CAS No.17527-29-6)		mg/kg	1	n.d.
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH) (CAS No.678-39-7)		mg/kg	0.1	n.d.
Ethyl perfluorooctanoate (Et-PFOA) (CAS No.3108-24-5)		mg/kg	0.1	n.d.
1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH) (CAS No.2043-47-2)		mg/kg	1	n.d.
Methyl perfluorooctanoate (Me-PFOA) (CAS No.376-27-2)		mg/kg	0.1	n.d.

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Note:

1. mg/kg = ppm ; 0.1wt% = 1000 ppm
2. RL = Reporting Limit
3. n.d. = Not Detected = Less than RL
4. The report is invalid if it is partly reproduced or used.
5. (▲): The test result was calculated by the concentration of its related compound and to the worst-case scenario.
6. This is the additional test report of HKF21800069. The additional test report is issued on 2022/05/24.

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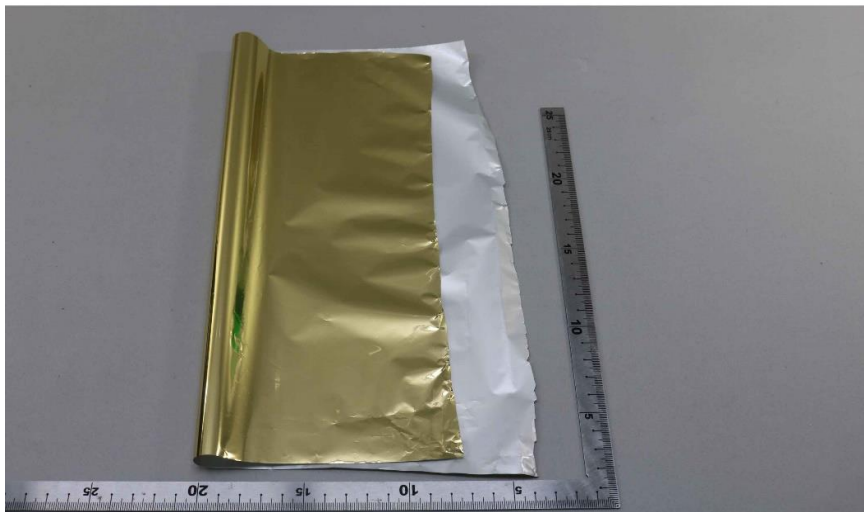
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* The tested sample / part is marked by an arrow if it's shown on the photo. *

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**** End of Report ****

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