



# Test Report

No.: HKF21800073M01

DATE: 2022/05/24

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INFINITY FOILS INC.

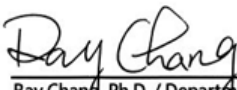
14614 W. 106TH STREET, LENEXA, KS 66215, USA

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

Sample Description : GENERALLY HOT STAMPING FOIL  
Style/Item No. : MX, MB, MOX

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/COPPER COLORED PLASTIC FILM

## Test Result(s)

Test Item(s)	Method	Unit	RL	Result
				No.1
<b>PFAS</b>				
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(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> ) ( 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-heptafluorooctane-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 HKF21800073. The additional test report is issued on 2022/05/24.

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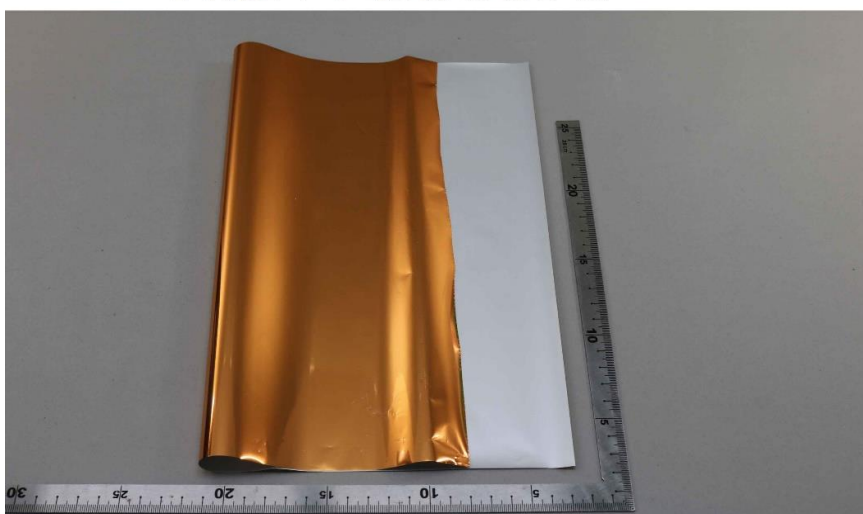
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\* The tested sample / part is marked by an arrow if it's shown on the photo. \*

### HKF21800073



**\*\* End of Report \*\***

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