

Test Report

No.: HKF221100068M01

DATE: 2022/11/16

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INFINITY FOILS INC.

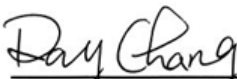
14614 W. 106TH STREET, LENEXA, KS 66215, USA

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. : CX, CHX, ML

Sample Receiving Date : 2022/11/07
Testing Period : 2022/11/07 to 2022/11/16

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 |
| 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(C ₂ H ₅) 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 HKF21800073. The additional test report is issued on 2022/05/24.

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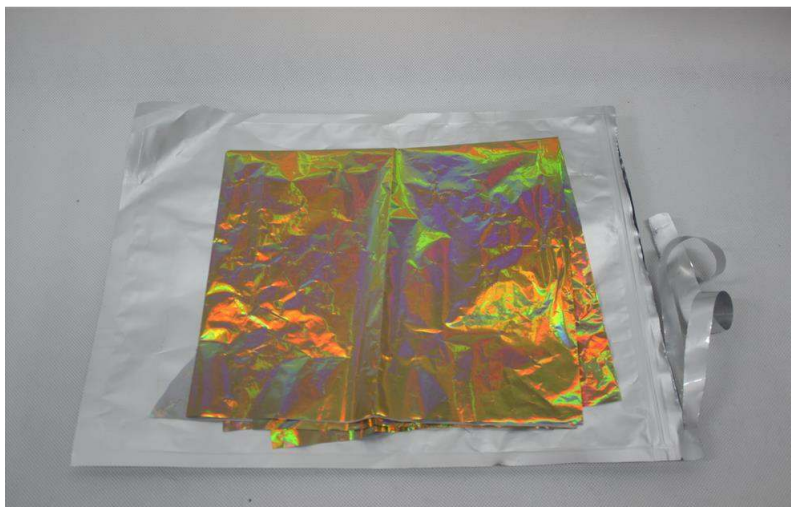
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*** The tested sample / part is marked by an arrow if it's shown on the photo. ***

HKF221100068



**** End of Report ****

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