



Test Report

No.: ETR20B03243

Date: 30-Nov-2020

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TAI CHANG COLORFUL PRESS INDUSTRIAL CO., LTD.
NO. 138-1, TONGTIAN ROAD, DAJIA DIST., TAICHUNG CITY 437, TAIWAN

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

Sample Submitted By : TAI CHANG COLORFUL PRESS INDUSTRIAL CO., LTD.
Sample Name : TW-10511-D07

=====
Sample Receiving Date : 19-Nov-2020
Testing Period : 19-Nov-2020 to 30-Nov-2020

Test Requested : Testing item(s) is/are specified by client. Please refer to result table for testing item(s).

Test Results : Please refer to following pages.


Troy Chang, Manager, Technical
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory - Taipei



PIN CODE: E8411185

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TEST PART DESCRIPTION

No.1 : BROWN/WHITE FILM

Test Result(s)

Test Item(s)	Method	Unit	MDL	Result
				No.1
4,4'-Diphenylmethane diisocyanate(4,4'-MDI) (CAS No.: 101-68-8)	With reference to US EPA 3550C: 2007, analysis was performed by GC/MS.	mg/kg	10	n.d.
Perfluorobutanoic acid (PFBA) (CAS No.: 375-22-4)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS/MS.	mg/kg	10	n.d.
Perfluoropentanoic acid (PFPeA) (CAS No.: 2706-90-3)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.	mg/kg	10	n.d.
Pentadecafluorooctanoic acid (PFOA) (CAS No.: 335-67-1)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.	mg/kg	10	n.d.
Undecafluorohexanoic acid and its ammonium salt (CAS No.: 307-24-4)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.	mg/kg	10	n.d.
Perfluoroheptanoic acid (PFHpA) (CAS No.: 375-85-9)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.	mg/kg	10	n.d.
Perfluorooctanyl sulphonic acid and its salts (PFOS) (CAS No.: 1763-23-1)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.	mg/kg	10	n.d.
Perfluorooctane sulfonamide (PFOSA) (CAS No.: 754-91-6)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.	mg/kg	10	n.d.
Perfluorononanoic acid(PFNA) (CAS No.: 375-95-1)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.	mg/kg	10	n.d.
Perfluorodecane acid (PFDA) (CAS No.: 335-76-2)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.	mg/kg	10	n.d.

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Test Item(s)	Method	Unit	MDL	Result
				No.1
Perfluoroundecanoic acid (PFUnA) (CAS No.: 2058-94-8)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.	mg/kg	10	n.d.
Perfluorododecanoic acid (PFDoA) (CAS No.: 307-55-1)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.	mg/kg	10	n.d.
Perfluorotridecanoic acid (PFTrA) (CAS No.: 72629-94-8)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.	mg/kg	10	n.d.
Perfluorotetradecanoic acid (PFTeA) (CAS No.: 376-06-7)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.	mg/kg	10	n.d.
Perfluorobutane sulfonate (PFBS) (CAS No.: 375-73-5)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.	mg/kg	10	n.d.
Perfluorohexane sulfonate (PFHxS) (CAS No.: 355-46-4)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.	mg/kg	10	n.d.
Perfluoroheptane sulfonate (PFHpS) (CAS No.: 375-92-8)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.	mg/kg	10	n.d.
Perfluorodecane sulfonate (PFDS) (CAS No.: 335-77-3)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.	mg/kg	10	n.d.
1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH) (CAS No.: 2043-47-2)	With reference to US EPA 3550C: 2007, analysis was performed by GC/MS.	mg/kg	10	n.d.
1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH) (CAS No.: 647-42-7)	With reference to US EPA 3550C: 2007, analysis was performed by GC/MS.	mg/kg	10	n.d.
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH) (CAS No.: 678-39-7)	With reference to US EPA 3550C: 2007, analysis was performed by GC/MS.	mg/kg	10	n.d.
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH) (CAS No.: 865-86-1)	With reference to US EPA 3550C: 2007, analysis was performed by GC/MS.	mg/kg	10	n.d.

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Test Item(s)	Method	Unit	MDL	Result
				No.1
1H,1H,2H,2H-Perfluorooctyl acrylate (6:2 FTA) (CAS No.: 17527-29-6)	With reference to US EPA 3550C: 2007, analysis was performed by GC/MS.	mg/kg	10	n.d.
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA) (CAS No.: 27905-45-9)	With reference to US EPA 3550C: 2007, analysis was performed by GC/MS.	mg/kg	10	n.d.
1H,1H,2H,2H-Perfluorododecyl acrylate (10:2 FTA) (CAS No.: 17741-60-5)	With reference to US EPA 3550C: 2007, analysis was performed by GC/MS.	mg/kg	10	n.d.
1H,1H,2H,2H-Perfluorooctanesulphonic acid (H4PFOS 6:2) (CAS No.: 27619-97-2)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.	mg/kg	10	n.d.
2H,2H,3H,3H-Perfluoroundecanoic acid (4HPFUnA) (CAS No.: 34598-33-9)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.	mg/kg	10	n.d.
N-Methyl-perfluorooctanesulfonamide (N-Me-FOSA) (CAS No.: 31506-32-8)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.	mg/kg	10	n.d.
N-Ethyl perfluorooctanesulfonamide (N-Et-FOSA) (CAS No.: 4151-50-2)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.	mg/kg	10	n.d.
N-Methyl-perfluorooctanesulfonamidoethanol (N-Me-FOSE) (CAS No.: 24448-09-7)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.	mg/kg	10	n.d.
N-Ethyl-perfluorooctanesulfonamidoethanol (N-Et-FOSE) (CAS No.: 1691-99-2)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.	mg/kg	10	n.d.
Perfluoro-3,7-dimethyloctanoic acid (PF-3,7-DMOA) (CAS No.: 172155-07-6)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.	mg/kg	10	n.d.
7H-Dodecanefluoroheptane acid (HPFHpA) (CAS No.: 1546-95-8)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.	mg/kg	10	n.d.
2H,2H-Perfluorodecane acid (H2PFDA) (CAS No.: 882489-14-7)	With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.	mg/kg	10	n.d.

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Note :

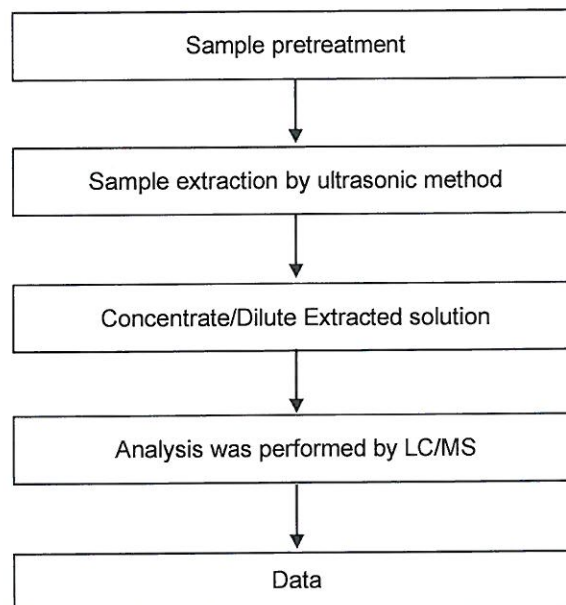
1. mg/kg = ppm ; 0.1wt% = 1000ppm
2. MDL = Method Detection Limit
3. n.d. = Not Detected (Less than MDL)
4. PFOS and its salts including :
CAS No.: 29081-56-9, 2795-39-3, 29457-72-5, 70225-14-8, 56773-42-3, 251099-16-8, 307-35-7.
5. PFOA and its salts including :
CAS No.: 3825-26-1, 335-95-5, 2395-00-8, 335-93-3, 335-66-0.

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Analytical flow chart of PFOA/PFOS



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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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