

Test Report No. 5095581

Date : 12-Nov-2021

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**Client : Honeywell Electronic Materials (Thailand) Co., Ltd.
32 M. 8 Chonburi Industrial Estate (Bo-win), Highway #331,
Bo-win, Sriracha, Chonburi 20230 Thailand**

The following sample(s) was/were submitted and identified by client as:

Sample Name : PTM-SMK
Batch/Lot No. : H7XP10921T
Material Type : Aluminum paste

The following sample(s) was/were identified by SGS as:

SGS Sample No. : 5304560
Sample Condition : Sample is contained in a plastic bottle.
Quantity Submitted : 1 bottle.
Sample Receiving Date : 8-Nov-2021
Testing Period : 8-Nov-2021 to 12-Nov-2021

Test Method & Results : Please refer to next page(s).

**Signed for and on behalf of
SGS (Thailand) Limited**



**Patcharee Treeporncharoen
Laboratory manager - Chemical**

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TEST RESULTS

Perfluorooctane Sulfonates (PFOS)

Test Method: With reference to CEN/TS 15968 : 2010. Analysis was performed by LC/MS.

Test Item (s):	CAS No.	MDL (mg/kg)	Result (1) (mg/kg)
Perfluorooctane Sulfonates (PFOS) [^]	1763-23-1	10	n.d.
Perfluorooctane Sulfonamide (PFOSA)	754-91-6	10	n.d.
2-(N-methylperfluoro-1-octane-sulfonamido)-ethanol (MeFOSE)	24448-09-7	10	n.d.
2-(N-ethylperfluoro-1-octane-sulfonamido)-ethanol (EtFOSE)	1691-99-2	10	n.d.
N-methylperfluoro-1-octanesulfonamide (MeFOSA)	31506-32-8	10	n.d.
N-ethylperfluoro-1-octanesulfonamide (EtFOSA)	4151-50-2	10	n.d.

Note :

- (a) mg/kg = ppm ; 0.1 wt% = 1000 ppm
- (b) n.d. = Not Detected
- (c) MDL = Method Detection Limit
- (d) Result (1) gray paste

[^] PFOS refer to its salts / derivative including PFOS-K (CAS No.: 2795-39-3) , PFOS-Li (CAS No.: 29457-72-5), PFOS-NH4 (CAS No.: 29081-56-9), PFOS-NH(OH)2 (CAS No.: 70225-14-8), PFOS-N(C2H5)4 (CAS No.: 56773-42-3), PFOS-N(C10H21)2(CH3)2 (CAS No. 251099-16-8) and POSF (CAS No.: 307-35-7)

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TEST RESULTS

Perfluorooctanoic acid (PFOA)

Test Method: With reference to CEN/TS 15968. Analysis was performed by LC/MS.

Test Item (s):	CAS No.	MDL (mg/kg)	Result (1) (mg/kg)
Perfluorooctanoic acid (PFOA)	335-67-1	10	n.d.

Note :

- (a) mg/kg = ppm ; 0.1 wt% = 1000 ppm
- (b) n.d. = Not Detected
- (c) MDL = Method Detection Limit
- (d) Result (1) gray paste

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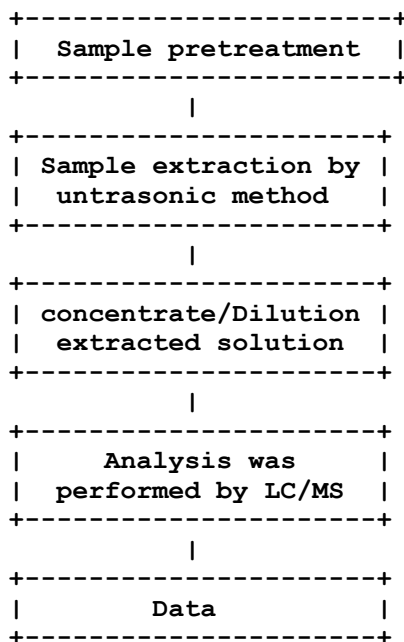
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Flow chart of PFOS Analysis



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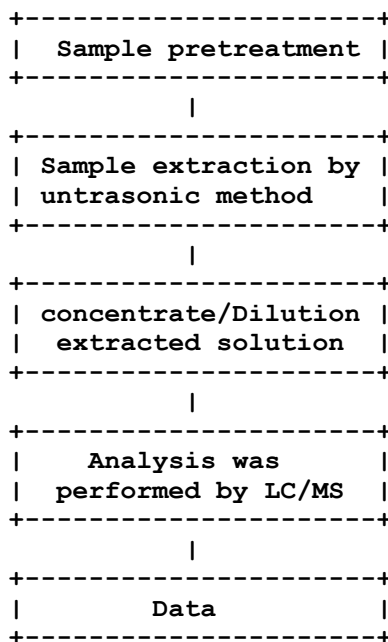
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Flow chart of PFOA Analysis



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SAMPLE/ATTACHMENT PICTURE



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

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