

Test Report

Report No.: NB2025010697-R1

Date: February 7, 2025

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Applicant: SHENZHEN LEVETOP LTD.

Address: 1010, XINZHOUANG TECHNOLOGY BUILDING, NO. 9 CHANGYE ROAD, LIULIAN COMMUNITY, PINGSHAN STREET, PINGSHAN DISTRICT, SHENZHEN

The following merchandise were submitted and identified by the clients as:

Sample Name: Chip

Model No.: LT7680A-R,LT7680B-R,LT7680+,LT7681,LT7683,LT7686,LT7381,LT268A,LT32U02,LT32A01,LT7688,LT7689,LT32U03B,LT268C,LT776,LT268D,LT269,LT268B,LT32U03A,LT3688,LT32U03C,LT168A,LT168B,LT168C,LT168D,LT1604M,LT7580,LT7583,LT7586,LT7589A,LT7589B

The following information were confirmed by the laboratory:

Testing Period: From January 13, 2025 to January 16, 2025

Test Results: Please refer to next page(s)

Summary of test results

Test Requested	Conclusion
1 Perfluoroalkyl and Polyfluoroalkyl substances (PFAS) Content in submitted sample by client's request	DATA

Signed for and on behalf of Guangdong NewBest Testing Service Co., Ltd.

Approved by:

Manager

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No.1, 8/F, Shengfeng Road, Venture Industrial Park, Xinhe Community, Wanjiang District, Dongguan City, China

Test results:

Tested part(s) description:

Test Item(s)	Description	Location
I001	Black chip body	--

1. Perfluoroalkyl and Polyfluoroalkyl substances (PFAS) Content

Test Method: Solvent extraction, analyzed by LC-MS-MS & GC-MS.

No.	Analyte	CAS No.	MDL (mg/kg)	Client's Requirement (mg/kg)	Result (mg/kg)	
					Test Item(s)	
					I001	
1	Perfluorooctanesulfonic acid	PFOS	1763-23-1	0.01	--	N.D.
2	Potassium perfluorooctanesulfonate*	PFOS-K	2795-39-3	0.01	--	N.D.
3	Lithium perfluorooctanesulfonate*	PFOS-Li	29457-72-5	0.01	--	N.D.
4	Sodium perfluorooctanesulfonate*	PFOS-Na	4021-47-0	0.01	--	N.D.
5	Magnesium bis(perfluorooctanesulfonate)*	POSF-Mg	91036-71-4	0.01	--	N.D.
6	Ammonium perfluorooctanesulfonate*	PFOS-NH 4	29081-56-9	0.01	--	N.D.
7	Diethanolamine perfluorooctanesulfonate*	PFOS-DE A	70225-14-8	0.01	--	N.D.
8	Tetraethylammonium perfluorooctanesulfonate*	PFOS-TE A	56773-42-3	0.01	--	N.D.
9	N-Decyl-N,N-dimethyl-1-decanaminium perfluorooctanesulfonate*	PFOS-DD MA	251099-16-8	0.01	--	N.D.
10	Perfluorooctanesulfonyl fluoride*	PFOS-F	307-35-7	0.01	--	N.D.
11	Piperidinium perfluorooctanesulfonate*	PFOS-Pip	71463-74-6	0.01	--	N.D.

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No.	Analyte		CAS No.	MDL (mg/kg)	Client's Requirement (mg/kg)	Result (mg/kg)
						Test Item(s)
						1001
12	Tetrabutylammonium perfluorooctanesulfonate*	PFOS-TB A	111873-33-7	0.01	--	N.D.
13	Perfluoro-n-hexanoic acid	PFHxA	307-24-4	0.01	--	N.D.
14	Lithium perfluorohexanoate*	PFHxA-Li	90430-61-8	0.01	--	N.D.
15	Sodium perfluorohexanoate*	PFHxA-Na	2923-26-4	0.01	--	N.D.
16	Potassium perfluorohexanoate*	PFHxA-K	3109-94-2	0.01	--	N.D.
17	Silver perfluorohexanoate*	PFHxA-Ag	336-02-7	0.01	--	N.D.
18	Ammonium undecafluorohexanoate*	PFHxA-NH ₄	21615-47-4	0.01	--	N.D.
19	Perfluoro-n-heptanoic acid	PFHpA	375-85-9	0.01	--	N.D.
20	Lithium perfluoroheptanoate*	PFHpA-Li	60871-90-1	0.01	--	N.D.
21	Sodium perfluoroheptanoate*	PFHpA-Na	20109-59-5	0.01	--	N.D.
22	Potassium perfluoroheptanoate*	PFHpA-K	21049-36-5	0.01	--	N.D.
23	Silver perfluoroheptanoate*	PFHpA-Ag	424-05-5	0.01	--	N.D.
24	Cesium perfluoroheptanoate*	PFHpA-Cs	171198-24-6	0.01	--	N.D.
25	Ammonium perfluoroheptanoate*	PFHpA-NH ₄	6130-43-4	0.01	--	N.D.
26	Perfluoro-n-octanoic acid	PFOA	335-67-1	0.01	--	N.D.
27	Lithium perfluorooctanoate*	PFOA-Li	17125-58-5	0.01	--	N.D.
28	Sodium perfluorooctanoate*	PFOA-Na	335-95-5	0.01	--	N.D.
29	Potassium perfluorooctanoate*	PFOA-K	2395-00-8	0.01	--	N.D.
30	Silver perfluorooctanoate*	PFOA-Ag	335-93-3	0.01	--	N.D.
31	Cesium perfluorooctanoate*	PFOA-Cs	17125-60-9	0.01	--	N.D.
32	Cobalt perfluorooctanoate*	PFOA-Co	35965-01-6	0.01	--	N.D.

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No.	Analyte	CAS No.	MDL (mg/kg)	Client's Requirement (mg/kg)	Result (mg/kg)	
					Test Item(s)	
					1001	
33	Chromium(3+) perfluorooctanoate*	PFOA-Cr	68141-02-6	0.01	--	N.D.
34	Ammonium perfluorooctanoate*	APFO	3825-26-1	0.01	--	N.D.
35	Perfluorooctanoyl fluoride*	PFOA-F	335-66-0	0.01	--	N.D.
36	Perfluorooctanoyl chloride*	PFOA-Cl	335-64-8	0.01	--	N.D.
37	Tetramethylammonium perfluorooctanoate*	PFOA-TM A	32609-65-7	0.01	--	N.D.
38	Tetraethylammonium perfluorooctanoate*	PFOA-TE A	98241-25-9	0.01	--	N.D.
39	Tetrapropylammonium perfluorooctanoate*	PFOA-TP A	277749-00-5	0.01	--	N.D.
40	Pentadecafluorooctanoic acid- piperazine (1:1)*	PFOA-PZ	423-52-9	0.01	--	N.D.
41	Perfluorobutanesulfonic acid	PFBS	375-73-5	0.01	--	N.D.
42	Lithium perfluorobutanesulfonate*	PFBS- Li	131651-65-5	0.01	--	N.D.
43	Sodium perfluorobutanesulfonate*	PFBS- Na	60453-92-1	0.01	--	N.D.
44	Potassium perfluorobutanesulfonate*	PFBS-K	29420-49-3	0.01	--	N.D.
45	Magnesium perfluorobutanesulfonate*	PFBS-Mg	507453-86-3	0.01	--	N.D.
46	Ammonium perfluorobutanesulfonate*	PFBS-NH4	68259-10-9	0.01	--	N.D.
47	Perfluorobutanesulfonyl chloride*	PFBS-Cl	2991-84-6	0.01	--	N.D.
48	Perfluorobutanesulfonic acid hydrate*	PFBS-H2 O	59933-66-3	0.01	--	N.D.
49	N,N,N,-triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1- sulfonate*	PFBS-N(C 2H5)4	25628-08-4	0.01	--	N.D.

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No.	Analyte	CAS No.	MDL (mg/kg)	Client's Requirement (mg/kg)	Result (mg/kg)	
					Test Item(s)	
					1001	
50	Dimethyl(phenyl)sulfonium perfluorobutanesulfonate*	PFBS-DMPS	220133-51-7	0.01	--	N.D.
51	Triphenylsulfonium perfluorobutanesulfonate*	PFBS-TPS	144317-44-2	0.01	--	N.D.
52	N-Morpholinium perfluorobutanesulfonate*	PFBS-NH2 (C2H4)2O	503155-89-3	0.01	--	N.D.
53	Bis(4-tert-butylphenyl)iodonium perfluoro-1-butanesulfonate*	PFBS-BtPhI	194999-85-4	0.01	--	N.D.
54	1-(4-butoxy-1-naphthyl)tetrahydrothiophenium nonafluorobutane-1-sulfonate*	PFBS-C18 H22OS	209482-18-8	0.01	--	N.D.
55	Perfluorobutylsulfonyl fluoride*	PFBS-F	375-72-4	0.01	--	N.D.
56	Tetrabutylphosphorus perfluorobutylsulfonate*	PFBS-TBP	220689-12-3	0.01	--	N.D.
57	Perfluorohexanesulfonic acid	PFHxS	355-46-4	0.01	--	N.D.
58	Lithium perfluorohexanesulfonate*	PFHxS-Li	55120-77-9	0.01	--	N.D.
59	Sodium perfluorohexanesulfonate*	PFHxS-Na	82382-12-5	0.01	--	N.D.
60	Potassium perfluorohexanesulfonate*	PFHxS-K	3871-99-6	0.01	--	N.D.
61	Zinc perfluorohexanesulfonate*	PFHxS-Zn	70136-72-0	0.01	--	N.D.
62	Gallium(3+) tris(tridecafluorohexane-1-ylsulfonate)*	PFHxS-Ga	341035-71-0	0.01	--	N.D.
63	Perfluorohexanesulfonic acid, scandium(3+) salt (3:1)*	PFHxS-Sc	350836-93-0	0.01	--	N.D.
64	1H,1H,2H,2H-Perfluorododecane sulfonate acid	8:2 FTS	39108-34-4	0.01	--	N.D.

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					Test Item(s)	
					1001	
65	Sodium 1H,1H,2H,2H-Perfluorododecane sulfonate*	8:2 FTS-Na	27619-96-1	0.01	--	N.D.
66	Ammonium 1H,1H,2H,2H-Perfluorododecane sulfonate*	8:2 FTS-NH4	149724-40-3	0.01	--	N.D.
67	Perfluorooctanesulfonamide	PFOSA	754-91-6	0.01	--	N.D.
68	Perfluorooctanesulfonamide lithium salt (1:1)*	PFOSA-Li	76752-79-9	0.01	--	N.D.
69	N-Methylperfluoro-1-octanesulfonamide	N-MeFOSA	31506-32-8	0.01	--	N.D.
70	N-Ethylperfluoro-1-octanesulfonamide	N-EtFOSA	4151-50-2	0.01	--	N.D.
71	2-(N-methylperfluoro-1-octanesulfonamido)-ethanol	N-MeFOSA-E	24448-09-7	0.01	--	N.D.
72	2-(N-Ethylperfluoro-1-octanesulfonamido)-ethanol	N-EtFOSE	1691-99-2	0.01	--	N.D.
73	Bis[2-(perfluorooctyl)ethyl] phosphate	8:2 diPAP	678-41-1	0.01	--	N.D.
74	Sodium bis[2-(perfluorooctyl)ethyl] phosphate*	8:2 diPAP-Na	114519-85-6	0.01	--	N.D.
75	Ammoniumbis(1H,1H,2H,2H-perfluorodecyl)phosphate*	8:2diPAP-NH4	93776-20-6	0.01	--	N.D.
76	Methyl perfluorooctanoate	PFOA-Me	376-27-2	0.1	--	N.D.
77	Ethyl perfluorooctanoate	PFOA-Et	3108-24-5	0.1	--	N.D.
78	2-Perfluorooctylethanol	8:2 FTOH	678-39-7	0.1	--	N.D.
79	Perfluoro-1-iodooctane	PFOI	507-63-1	0.1	--	N.D.
80	1H,1H,2H,2H-Perfluorodecyltriethoxysilane	PFSI	101947-16-4	0.1	--	N.D.
81	1H,1H,2H,2H-Perfluorodecyl methacrylate	8:2 FTMA	1996-88-9	0.1	--	N.D.

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No.	Analyte		CAS No.	MDL (mg/kg)	Client's Requirement (mg/kg)	Result (mg/kg)
						Test Item(s)
						I001
82	1H,1H,2H,2H-Perfluorodecyl acrylate	8:2 FTA	27905-45-9	0.1	--	N.D.
83	1-Iodine-1H,1H,2H,2H-perfluorodecane	8:2 FTI	2043-53-0	0.1	--	N.D.
Conclusion					--	DATA

Note: N.D.= Not Detected(<MDL)
mg/kg = milligram per kilogram = ppm = part per million
MDL= Detection Limit
*Results shown of the substances are converted from the results of certain compounds.

This report is to supersede NBTS report No. NB2025010697 dated on January 16, 2025.

Reason for modification:

Update data.

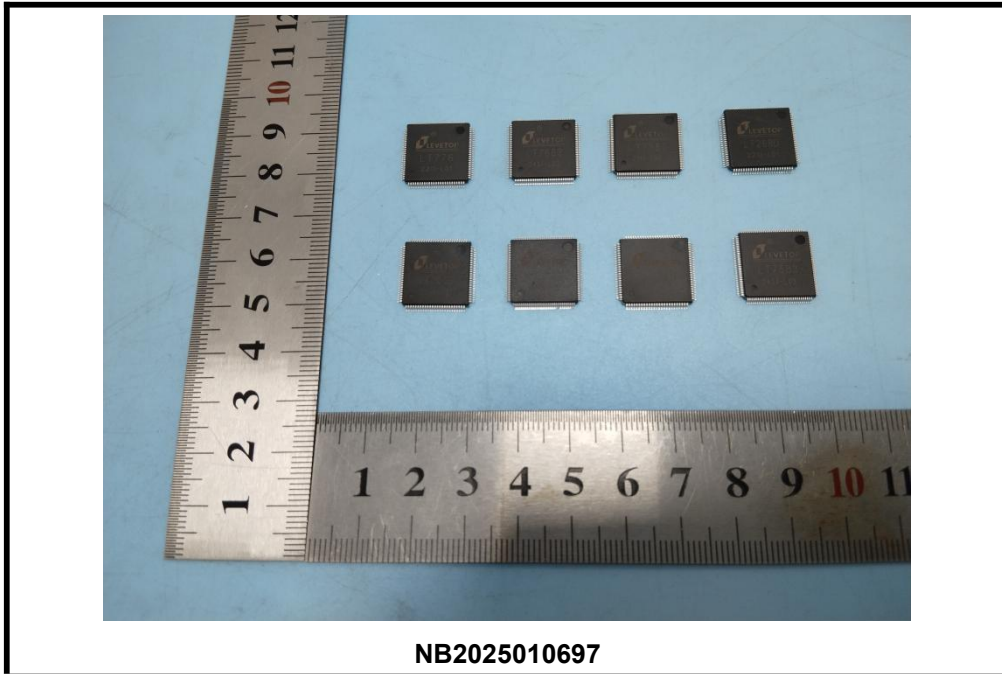
Disclaimer Measurement Uncertainty:

Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as PASS nor as FAIL.

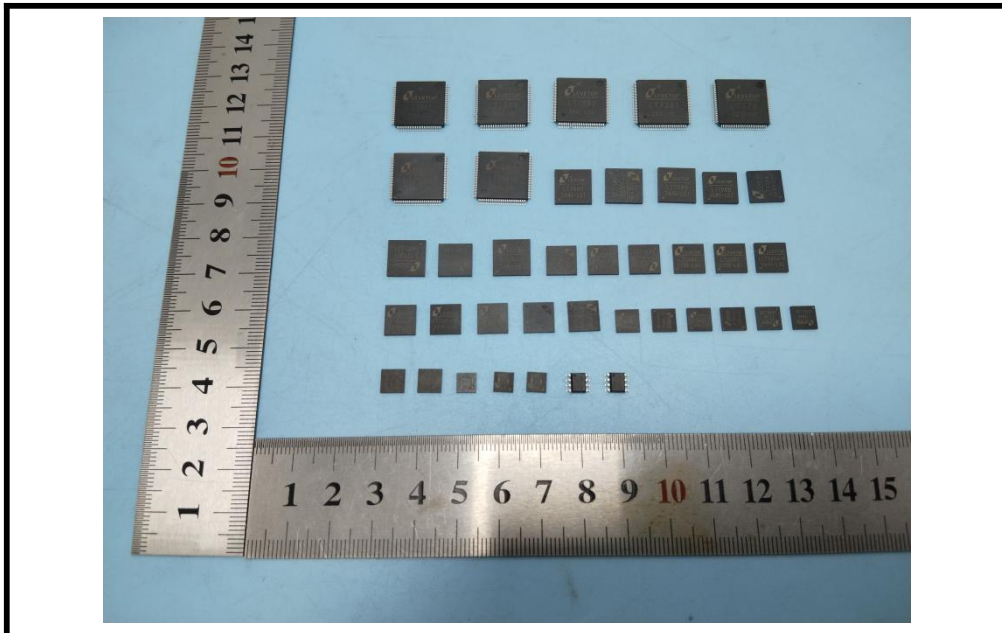
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Samples photograph



Samples photograph(Nontest samples)



NBTS authenticate the photograph on original report only

*** End of Report ***

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