

Test Report

No. CANEC2300364412

Date: 03 Feb 2023

Page 1 of 9

Client Name : LE SHAN SHARE ELECTRONIC CO, LTD

Client Address : NO.9 NANXIN ROAD,HIGH-TECH ZONE LESHAN CITY,SICHUANP.R CHINA

Sample Name : Plastic seal rectifier

Model No. : D35SB100A

The above sample(s) and information were provided by the client.

This report is to supersede test report CANEC2300364404

SGS Job No. : 10023982 - CQ

Date of Sample Received : 06 Jan 2023

Testing Period : 06 Jan 2023 - 19 Jan 2023

Test Requested : Persistent organic pollutants (POP) screening against.
- Substances in Annex I of European Regulation POPs (EU) 2021/277 amending to Regulation (EU) 2019/1021.

Test Result(s) : Please refer to next page(s).

Summary :

According to the specified scope and analytical techniques, concentration of test POPs are < regulation limit in the submitted sample.	PASS
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Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Coral Qiu

Coral Qiu

Approved Signatory

scan to see the report



DFB7C883



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch

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Test Report

No. CANEC2300364412

Date: 03 Feb 2023

Page 2 of 9

Remark :

1. Substances in Annex I of European Regulation POPs (EU) 2019/1021 are prohibited in preparations and constituents of articles unless otherwise specified.
2. Exemptions: Tetrabromodiphenyl ether, pentabromodiphenyl ether, hexabromodiphenyl ether, heptabromodiphenyl ether and decabromodiphenyl ether are ≤ 10 mg/kg for substances, and Sum of tetra-, penta-, hexa-, hepta- and decaBDE ≤ 500 mg/kg for mixtures or articles, this restriction is subject to review and assessment by the European by 16 July 2021.
3. Exemption: Tetrabromodiphenyl ether, pentabromodiphenyl ether, hexabromodiphenyl ether, heptabromodiphenyl ether and decabromodiphenyl ether in electrical and electronic equipment within the scope of Directive 2011/65/EU are exempted.
4. Exemption: Alkanes C10-13, chloro (short chain-chlorinated paraffins) (SCCPs) $< 1.0\%$ in preparation, $< 0.15\%$ for articles.
5. Exemptions: Perfluorooctane sulfonates (PFOS) and its derivatives (acid, metal salt, halide, amide, and other derivatives including polymers) ≤ 10 mg/kg for preparations, $< 0.1\%$ (w/w) for articles and < 1 $\mu\text{g}/\text{m}^2$ for textiles and coated materials.
6. Exemptions: HBCDD, No more than 100 mg/kg as an unintentional trace contaminant in substances, mixtures, articles or flame-retarded parts of articles.
7. The chemical analysis of substances is performed by means of currently available analytical techniques against substances laid down in Test Requested.
8. ^ Detected substance(s) may come from one or more components in composite testing. Client is suggested to identify the component(s) and the exact concentration of the substance(s) by requesting further quantitative analysis from the laboratory.

Test Sample :

Sample Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN23-003644.001	Black plastic shell with yellow printing



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Test Report

No. CANEC2300364412

Date: 03 Feb 2023

Page 3 of 9

Test Method :

SGS In-House method –GZTC CHEM-TOP-268-01, Analyzed by Gas Chromatography – Mass Spectrometry (GC-MS), Gas Chromatography – Electro Capture Detector (GC-ECD), High Performance Liquid Chromatography – Diode Array Detector – Mass Spectrometry (HPLC-DAD-MS) or Liquid Chromatography – Mass /Mass Spectrometry (LC-MS/MS).

Test Result:

No.	Substance Name	CAS No.	Unit	RL	001 Concentration
-	All tested POPs in list	-	mg/kg	-	ND

Notes :

- (1) The table above only shows detected POPs, and POPs that below RL are not reported. Please refer to Appendix for the full list of tested POPs.
- (2) RL = Reporting Limit. All RL are based on homogenous material
ND = Not detected (lower than RL)
- (3) PFOS and its salts* including PFOS (CAS No. 1763-23-1), POSF(CAS No. 307-35-7), PFOS-K (CAS No. 2795-39-3), PFOS-NH₄ (CAS No. 29081-56-9), PFOS-N(C₁₀H₂₁)₂(CH₃)₂ (CAS No. 251099-16-8), PFOS-NH₂(C₂H₄OH)₂ (CAS No. 70225-14-8), PFOS-Li (CAS No. 29457-72-5), PFOS-N(C₂H₅)₄ (CAS No. 56773-42-3) and PFOS-Na (CAS No. 4021-47-0). The result of PFOS is used to represent PFOS and its salts;
- (4) PFOA and its salts* including PFOA (CAS No. 335-67-1), APFO (CAS No. 3825-26-1), PFOA-Na (CAS No. 335-95-5), PFOA-K (CAS No. 2395-00-8), PFOA-Ag (CAS No. 335-93-3) and PFOA-F (CAS No. 335-66-0). The result of PFOA is used to represent PFOA and its salts;
- (5) Sum of PBDEs* Means Sum of Tetrabromodiphenyl ether, Pentabromodiphenyl ether, Hexabromodiphenyl ether, Heptabromodiphenyl ether and Decabromodiphenyl ether.

This report updates Material No.



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Test Report

No. CANEC2300364412

Date: 03 Feb 2023

Page 4 of 9

Appendix

POPs substances tested in Article list:

No.	Substance Name	CAS No.	Unit	RL	Regulatory requirement / Exemption	Sample ID
1	Tetrabromodiphenyl ether	40088-47-9 and others	mg/kg	5	-	001
2	Pentabromodiphenyl ether	32534-81-9 and others	mg/kg	5	-	001
3	Hexabromodiphenyl ether	36483-60-0 and others	mg/kg	5	-	001
4	Heptabromodiphenyl ether	68928-80-3 and others	mg/kg	5	-	001
5	Decabromodiphenyl ether; (decaBDE)	1163-19-5	mg/kg	5	-	001
-	Sum of PBDEs*	-	mg/kg	-	500	001
6	Perfluorooctane sulfonates (PFOS) and its derivatives	-	mg/kg	-	1000	001
6-1	Perfluorooctane sulfonates (PFOS) and its salts*	-	mg/kg	0.010	-	001
6-2	N-ethylperfluoro-1-octanesulfo namide (N-EtFOSA)	4151-50-2	mg/kg	0.010	-	001
6-3	N-methylperfluoro-1-octanesulf onamide(N-MeFOSA)	31506-32-8	mg/kg	0.010	-	001
6-4	2- (N-ethylperfluoro-1-octanesulfo namido) -ethanol(N-EtFOSE)	1691-99-2	mg/kg	0.010	-	001
6-5	2- (N-methylperfluoro-1-octanesul fonamido) -ethanol(N-MeFOSE)	24448-09-7	mg/kg	0.010	-	001
6-6	Perfluorooctane Sulfonamide (PFOSA)	754-91-6	mg/kg	0.010	-	001
7	DDT (1,1,1-trichloro-2,2-bis (4-chlorophenyl)ethane)	50-29-3	mg/kg	0.05	Prohibited	001
8	Chlordane	57-74-9	mg/kg	0.01	Prohibited	001



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Test Report

No. CANEC2300364412

Date: 03 Feb 2023

Page 5 of 9

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No.	Substance Name	CAS No.	Unit	RL	Regulatory requirement / Exemption	Sample ID
9	Hexachlorocyclohexanes, including lindane	58-89-9 319-84-6 319-85-7 608-73-1	mg/kg	0.05	Prohibited	001
10	Dieldrin	60-57-1	mg/kg	0.05	Prohibited	001
11	Endrin	72-20-8	mg/kg	0.05	Prohibited	001
12	Heptachlor	76-44-8	mg/kg	0.05	Prohibited	001
13	Endosulfan	115-29-7 959-98-8 33213-65-9	mg/kg	0.05	Prohibited	001
14	Hexachlorobenzene	118-74-1	mg/kg	5	10	001
15	Chlordecone	143-50-0	mg/kg	0.2	Prohibited	001
16	Aldrin	309-00-2	mg/kg	0.05	Prohibited	001
17	Pentachlorobenzene	608-93-5	mg/kg	5	Prohibited	001
18	Polychlorinated biphenyls (PCB)	1336-36-3 and others	mg/kg	5	Prohibited	001
19	Mirex	2385-85-5	mg/kg	0.05	Prohibited	001
20	Toxaphene	8001-35-2	mg/kg	0.2	Prohibited	001
21	Hexabromobiphenyl	36355-01-8	mg/kg	5	Prohibited	001
22	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α -HBCDD, β -HBCDD, γ -HBCDD)	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8	mg/kg	10	100	001
23	Hexachlorobutadiene	87-68-3	mg/kg	5	Prohibited	001
24	Pentachlorophenol (PCP) and its salts and esters	87-86-5 and others	mg/kg	0.5	5	001
25	Polychlorinated naphthalenes (PCN)	70776-03-3 and others	mg/kg	5	Prohibited	001



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Test Report

No. CANEC2300364412

Date: 03 Feb 2023

Page 6 of 9

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POPs substances tested in Article list:

No.	Substance Name	CAS No.	Unit	RL	Regulatory requirement / Exemption	Sample ID
26	Alkanes C ₁₀ ~C ₁₃ , chloro (short chain-chlorinated paraffins) (SCCPs)	85535-84-8 and others	mg/kg	50	1500	001
27	Perfluorooctanoic acid (PFOA) and its salts*	-	mg/kg	0.010	0.025	001
28	PFOA related substances	-	mg/kg	-	1.0	001
28-1	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	mg/kg	0.1	-	001
28-2	Methyl perfluorooctanoate (Me-PFOA)	376-27-2	mg/kg	0.1	-	001
28-3	Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	mg/kg	0.1	-	001
28-4	1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	mg/kg	0.1	-	001
28-5	1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA)	27905-45-9	mg/kg	0.1	-	001
28-6	1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)	1996-88-9	mg/kg	0.1	-	001
28-7	Perfluoro-1-iodooctane (PFOI)	507-63-1	mg/kg	0.1	-	001
29	Dicofol	115-32-2	mg/kg	0.05	Prohibited	001

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.



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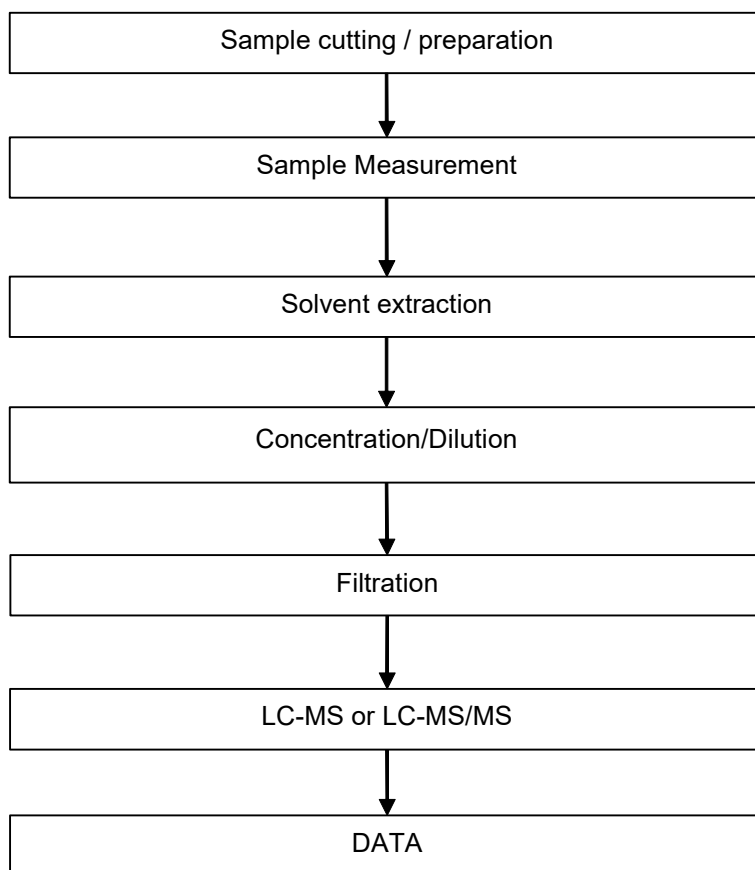
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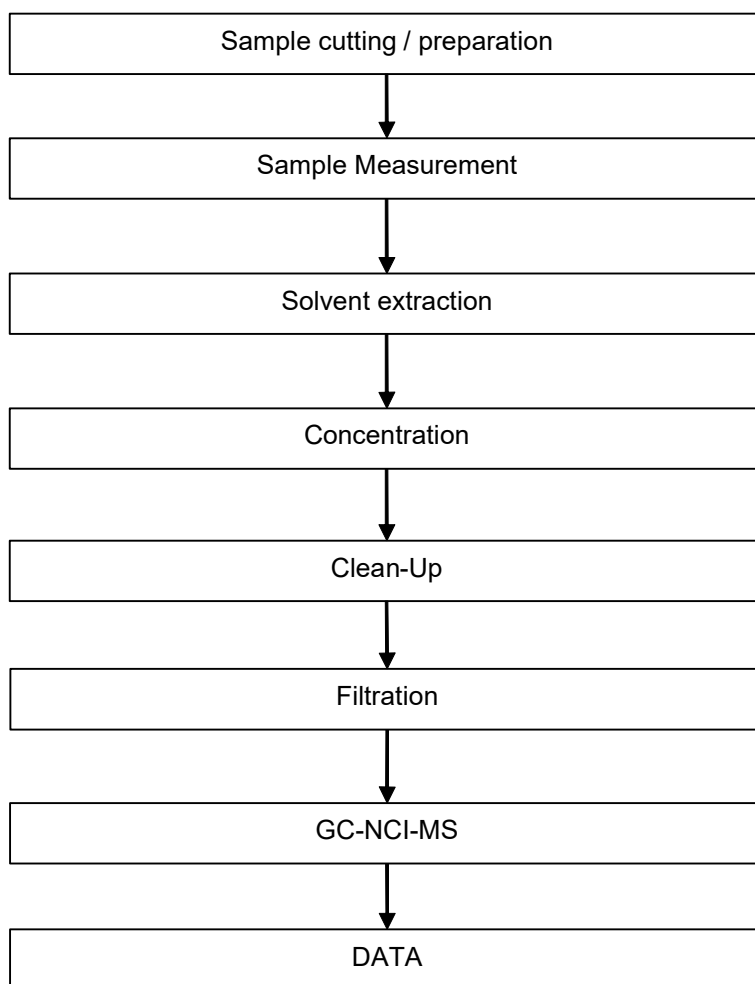
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Testing Flow Chart



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SCCP/MCCP/LCCP Testing Flow Chart



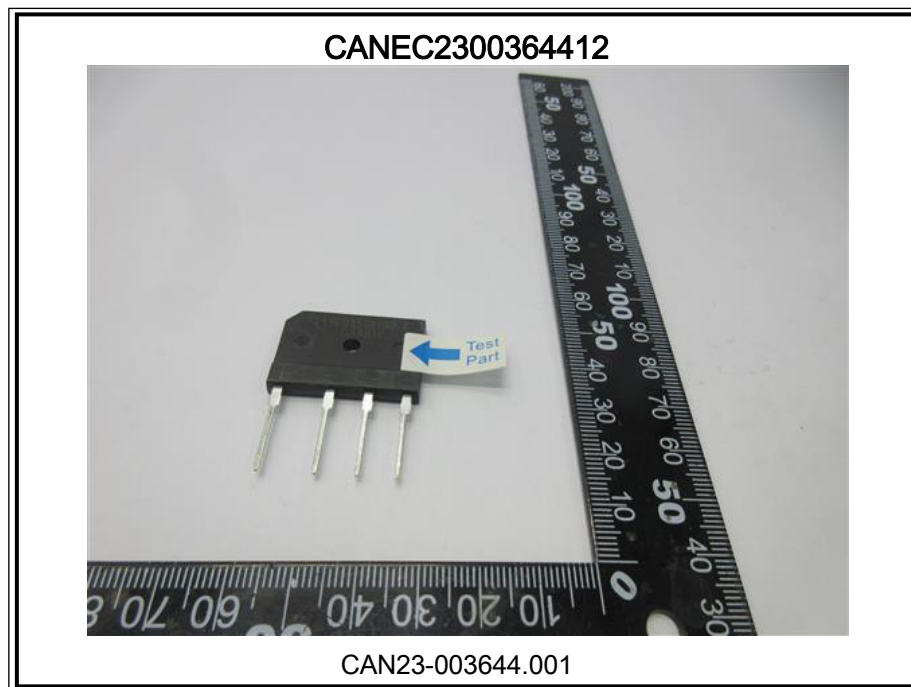
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No. CANEC2300364412

Date: 03 Feb 2023

Page 9 of 9

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