

Test Report

No. SHAEC2215195403

Date: 04 Nov 2022

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Client Name : UNIROYAL ELECTRONICS INDUSTRY(KUNSHAN) CO.,LTD.

Client Address : 88 Longteng Road, Economic & Technical Development Zone, Kunshan City, Jiangsu, CHINA

Sample Name : Metal Glaze Film Fixed Resistors
 Buyer : Uniroyal Electronics Global Co.,Ltd
 Manufacturer : Uniroyal Electronics Industry Co., Ltd/Aeon Technology Corporation
 CO.,LTD./Royal Electronic Factory (Thailand) Co.,Ltd./Royal
 Technology (Thailand) Co.,Ltd./UNUS TECHNOLOGY CORPORATION

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

SGS Job No. : SP22-024592 - SH
 Date of Sample Received : 25 Oct 2022
 Testing Period : 25 Oct 2022 - 04 Nov 2022
 Test Requested : Persistent organic pollutants (POPs) screening against:
 -Selected Substances in Regulation (EU) 2019/1021 (POPs) and its amendments.
 Test Method(s) : Please refer to next page(s).
 Test Result(s) : Please refer to next page(s).

Result Summary :

Test Requested	Conclusion
Persistent organic pollutants (POPs) concentration in the submitted sample	PASS

Signed for and on behalf of
 SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Carol Luo

Carol Luo
 Approved Signatory

scan to see the report



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Test Result(s) :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	SHA22-151954.002	Blue body

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

Persistent organic pollutants (POPs)

Test Method : SGS In-House method , analysis was performed by GC-MS,GC-ECD, HPLC-DAD-MS.

Test Item(s)	CAS NO.	Limit	Unit	MDL	002
Polychlorinated biphenyls (PCB)	1336-36-3 and others	★	mg/kg	5	ND
Polychlorinated naphthalenes (PCN)	70776-03-3 and others	★	mg/kg	5	ND
Hexachlorobutadiene	87-68-3	★	mg/kg	5	ND
Alkanes, C10-13,chloro(short chain-chlorinated paraffins) (SCCPs)	85535-84-8 and others	1	%	0.005	ND
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD)	※	100	mg/kg	10	ND
Perfluorooctane sulfonates (PFOS) and its derivatives	-	10	mg/kg	-	ND
Perfluorooctane Sulfonates (PFOS) ^	1763-23-1	-	mg/kg	1	ND
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (MeFOSE)	24448-09-7	-	mg/kg	1	ND
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (EtFOSE)	1691-99-2	1	mg/kg	1	ND
N-methylperfluoro-1-octanesulfonamide (MeFOSA)	31506-32-8	1	mg/kg	1	ND
N-ethylperfluoro-1-octanesulfonamide (EtFOSA)	4151-50-2	-	mg/kg	1	ND
Perfluorooctane Sulfonamide (PFOSA)	754-91-6	1	mg/kg	1	ND
Perfluorooctanoic Acid (PFOA) and its salts+	335-67-1	-	mg/kg	0.025	ND
PFOA related substances		-	mg/kg	-	ND
1H,1H,2H,2H-Perfluorodecanesulphonic acid (8:2 FTS)	39108-34-4	-	mg/kg	0.2	ND



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Test Item(s)	CAS NO.	Limit	Unit	MDL	002
Methyl perfluorooctanoate (Me-PFOA)	376-27-2	-	mg/kg	0.2	ND
Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	-	mg/kg	0.2	ND
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	-	mg/kg	0.2	ND
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA)	27905-45-9	-	mg/kg	0.2	ND
1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)	1996-88-9	-	mg/kg	0.2	ND
Perfluoro-1-iodooctane (PFOI)	507-63-1	-	mg/kg	0.2	ND

Notes :

- ★=banned
- Substances in Annex I of European Regulation POPs (EU) 2019/1021 are prohibited in preparations and constituents of articles unless otherwise specified.
- The chemical analysis of substances is performed by means of currently available analytical techniques against substances laid down in Test Requested.
- Exemption: Alkanes C10-13, chloro (short chain-chlorinated paraffins) (SCCPs) < 1.0% in preparation, <0.15% for articles.
- Exemptions: HBCDD, No more than 100 mg/kg as an unintentional trace contaminant in substances, mixtures, articles or flame-retarded parts of articles.
- ※: 25637-99-4 & 3194-55-6 & 134237-50-6 & 134237-51-7 & 134237-52-8
- 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 μg/m² for textiles and coated materials.
- ^ PFOS 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-DDA (CAS No.: 251099-16-8) and POSF (CAS No.: 307-35-7)
- + PFOA and its salts including PFOA-Na (CAS No.: 335-95-5), PFOA-K (CAS No.: 2395-00-8), PFOA-Ag (CAS No.: 335-93-3), PFOA-F (CAS No.: 335-66-0) and APFO (CAS No.: 3825-26-1); 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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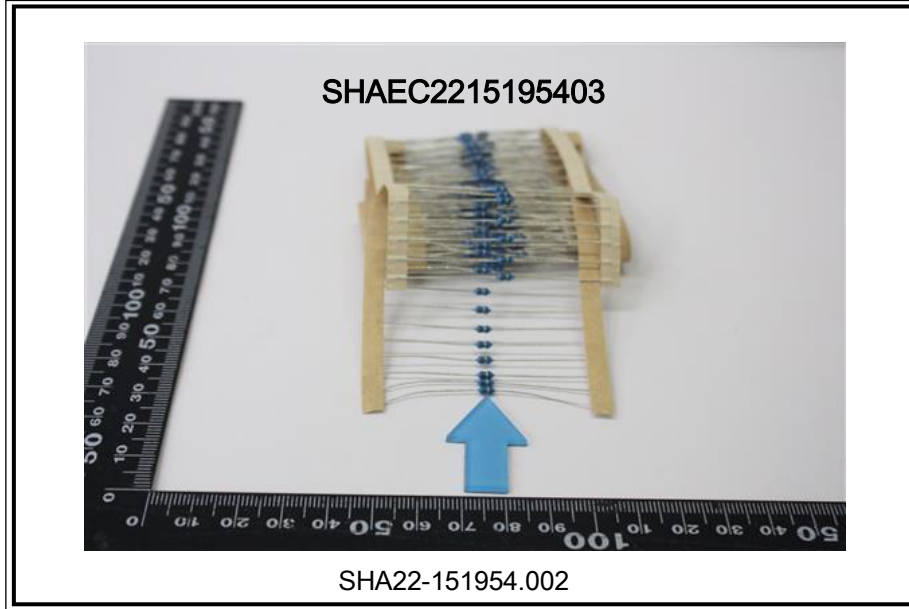
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