Prüfbericht - Nr.: *Test Report No.:*	Z088120759 **Seite 1 von 7** *Page 1 of 7*
Auftraggeber: *Client:*	**SHENZHEN SURONG CAPACITORS CO., LTD.** Surong Ind. Park, Kukeng, Guanlan Town, Shenzhen, Guangdong, P. R. China
Prüfgegenstand: *Test item:*	7 materials (Please refer to material list on Page 2 and to photo on Page 6~7.)
Bezeichnung: *Identification:*	SOLDER, EPOXY-RESIN (YELLOW), EPOXY-RESIN (BLACK), UV INK (BLACK), UV INK (SILVERY), PLASTIC BOX (YELLOW), PLASTIC BOX (GRAY)
Anlieferungszustand: *Delivery condition:*	**Einwandfrei, Prüfgegenstand getestet wie angeliefert** Apparent good, Samples tested as received **Eingangsdatum:** *Date of receipt:* Dec. 11th 2008
Prüfort: *Testing location:*	TÜV Rheinland (Shenzhen) Co. Ltd. - Industrial Products Testing Center
Prüfgrundlage: *Test specification:*	Regulation (EC) No. 1907/2006: Reistration, Evaluation, Authorisation and Restriction of Chemicals (REACH) *Article 33 – Duty to communicate information on substances in articles* 15 Candidate List of Substances of Very High Concern *ECHA/PR/08/38-REV*
Prüfergebnis: *Test result:*	**Please refer to Page 3~5.**

Geprüft: *tested by:*

Dec. 23rd 2008 Julie Jiang
Technical Support Supervisor
Compiler

Datum *Date*	Name/Stellung *Name/Position*	Unterschrift *Signature*

Kontrolliert: *checked by:*

Dec. 23rd 2008 Dongjing Liu
Project Engineer

Datum *Date*	Name/Stellung *Name/Position*	Unterschrift *Signature*

Sonstiges/ *Other Aspects:*

Test period: Dec. 11th 2008 – Dec. 19th 2008

Abkürzungen:				*Abbreviations:*			
	ok / P	=	*entspricht Prüfgrundlage*		*ok / P*	=	*passed*
	fail / F	=	*entspricht nicht Prüfgrundlage*		*fail / F*	=	*failed*
	n.a. / N	=	*nicht anwendbar*		*n.a. / N*	=	*not applicable*

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1. Material list

Testing material No.	Component	Material	Colour
1	Solder	Metal	Silvery
2	Epoxy-resin	Plastic	Yellow
3	Epoxy-resin	Plastic	Black
4	UV Ink	Ink	Black
5	UV Ink	Ink	Silvery
6	Plastic box	Plastic	Yellow
7	Plastic box	Plastic	Gray

Testing sample No.	Testing required	Composition
REACH-1	Regulation, Evaluation, Authorisation and Restriction of Chemicals (REACH)	1
REACH-2	Regulation, Evaluation, Authorisation and Restriction of Chemicals (REACH)	2
REACH-3	Regulation, Evaluation, Authorisation and Restriction of Chemicals (REACH)	3
REACH-4	Regulation, Evaluation, Authorisation and Restriction of Chemicals (REACH)	4
REACH-5	Regulation, Evaluation, Authorisation and Restriction of Chemicals (REACH)	5
REACH-6	Regulation, Evaluation, Authorisation and Restriction of Chemicals (REACH)	6
REACH-7	Regulation, Evaluation, Authorisation and Restriction of Chemicals (REACH)	7

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2. Test results

Test Method : In-house method –GC-MS-quantification of relevant SVHC (substances of very high concern) in material samples.

Method Detection limit: 50 mg/kg

Test sample No.			REACH-1	REACH-2	REACH-3
Parameter	CAS No.	Unit	Result	Result	Result
Anthracene	120-12-7	mg/kg	N.D.	N.D.	N.D.
5-tert-butyl-2,4,6-trinitro-m-xylene (musk-xylene)	81-15-2	mg/kg	N.D.	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	N.D.	N.D.	N.D.
4,4'-Diaminodiphenylmethane	101-77-9	mg/kg	N.D.	N.D.	N.D.
Benzy lbutyl phthalate (BBP)	85-68-7	mg/kg	N.D.	N.D.	N.D.
Bis-(2-ethyl(hexyl)phthalate (DEHP)	117-81-7	mg/kg	N.D.	N.D.	N.D.
Hexabromocyclododecane(HBCDD) and all major diastereoisomers identified (α-HBCDD,β-HBCDD,γ-HBCDD)	various	mg/kg	N.D.	N.D.	N.D.

Test Method : Determination of chlorinated paraffins according to: Petroleum products and used oils-Determination of PCBs and related products – Part 1: Separation and determination of selected PCB congeners by gas chromatography (GC) using an electron capture detector (ECD); DIN 12766-1

Method Detection limit: 10 mg/kg

Test sample No.			REACH-1	REACH-2	REACH-3
Parameter	CAS No.	Unit	Result	Result	Result
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	mg/kg	N.D.	N.D.	N.D.

Test Method : In-house method –ICP-OES after decomposition for determination of relevant SVHC (substances of very high concern) in material samples

Method Detection limit: 50 mg/kg

Test sample No.			REACH-1	REACH-2	REACH-3
Parameter	CAS No.	Unit	Result	Result	Result
Triethyl arsenate [1)]	15606-95-8	mg/kg	N.D.	N.D.	N.D.
Diarsenic pentaoxide [1)]	1303-28-2	mg/kg	N.D.	N.D.	N.D.
Diarsenic trioxide [1)]	1327-53-3	mg/kg	N.D.	N.D.	N.D.
Lead hydrogen arsenate [1)]	7784-40-9	mg/kg	N.D.	N.D.	N.D.
Sodium dichromate [2)]	7789-12-0 10588-01-9	mg/kg	N.D.	N.D.	N.D.
Cobalt dichloride [1)]	7646-79-9	mg/kg	N.D.	N.D.	N.D.
Bis(tributyltin)oxide [1)]	56-35-9	mg/kg	N.D.	N.D.	N.D.

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2. Test results

Test Method : In-house method –GC-MS-quantification of relevant SVHC (substances of very high concern) in material samples.

Method Detection limit: 50 mg/kg

Test sample No.			REACH-4	REACH-5	REACH-6
Parameter	CAS No.	Unit	Result	Result	Result
Anthracene	120-12-7	mg/kg	N.D.	N.D.	N.D.
5-tert-butyl-2,4,6-trinitro-m-xylene (musk-xylene)	81-15-2	mg/kg	N.D.	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	N.D.	N.D.	N.D.
4,4'-Diaminodiphenylmethane	101-77-9	mg/kg	N.D.	N.D.	N.D.
Benzy lbutyl phthalate (BBP)	85-68-7	mg/kg	N.D.	N.D.	N.D.
Bis-(2-ethyl(hexyl)phthalate (DEHP)	117-81-7	mg/kg	N.D.	N.D.	N.D.
Hexabromocyclododecane(HBCDD) and all major diastereoisomers identified (α-HBCDD,β-HBCDD,γ-HBCDD)	various	mg/kg	N.D.	N.D.	N.D.

Test Method : Determination of chlorinated paraffins according to: Petroleum products and used oils-Determination of PCBs and related products – Part 1: Separation and determination of selected PCB congeners by gas chromatography (GC) using an electron capture detector (ECD); DIN 12766-1

Method Detection limit: 10 mg/kg

Test sample No.			REACH-4	REACH-5	REACH-6
Parameter	CAS No.	Unit	Result	Result	Result
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	mg/kg	N.D.	N.D.	N.D.

Test Method : In-house method –ICP-OES after decomposition for determination of relevant SVHC (substances of very high concern) in material samples

Method Detection limit: 50 mg/kg

Test sample No.			REACH-4	REACH-5	REACH-6
Parameter	CAS No.	Unit	Result	Result	Result
Triethyl arsenate [1)]	15606-95-8	mg/kg	N.D.	N.D.	N.D.
Diarsenic pentaoxide [1)]	1303-28-2	mg/kg	N.D.	N.D.	N.D.
Diarsenic trioxide [1)]	1327-53-3	mg/kg	N.D.	N.D.	N.D.
Lead hydrogen arsenate [1)]	7784-40-9	mg/kg	N.D.	N.D.	N.D.
Sodium dichromate [2)]	7789-12-0 10588-01-9	mg/kg	N.D.	N.D.	N.D.
Cobalt dichloride [1)]	7646-79-9	mg/kg	N.D.	N.D.	N.D.
Bis(tributyltin)oxide [1)]	56-35-9	mg/kg	N.D.	N.D.	N.D.

Our Reference No.: Z088120759

2. Test results

Test Method : In-house method –GC-MS-quantification of relevant SVHC (substances of very high concern) in material samples.

Method Detection limit: 50 mg/kg

Test sample No.			REACH-7
Parameter	CAS No.	Unit	Result
Anthracene	120-12-7	mg/kg	N.D.
5-tert-butyl-2,4,6-trinitro-m-xylene (musk-xylene)	81-15-2	mg/kg	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	N.D.
4,4'-Diaminodiphenylmethane	101-77-9	mg/kg	N.D.
Benzy lbutyl phthalate (BBP)	85-68-7	mg/kg	N.D.
Bis-(2-ethyl(hexyl)phthalate (DEHP)	117-81-7	mg/kg	N.D.
Hexabromocyclododecane(HBCDD) and all major diastereoisomers identified (α-HBCDD,β-HBCDD,γ-HBCDD)	various	mg/kg	N.D.

Test Method : Determination of chlorinated paraffins according to: Petroleum products and used oils-Determination of PCBs and related products – Part 1: Separation and determination of selected PCB congeners by gas chromatography (GC) using an electron capture detector (ECD); DIN 12766-1

Method Detection limit: 10 mg/kg

Test sample No.			REACH-7
Parameter	CAS No.	Unit	Result
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	mg/kg	N.D.

Test Method : In-house method –ICP-OES after decomposition for determination of relevant SVHC (substances of very high concern) in material samples

Method Detection limit: 50 mg/kg

Test sample No.			REACH-7
Parameter	CAS No.	Unit	Result
Triethyl arsenate [1)]	15606-95-8	mg/kg	N.D.
Diarsenic pentaoxide [1)]	1303-28-2	mg/kg	N.D.
Diarsenic trioxide [1)]	1327-53-3	mg/kg	N.D.
Lead hydrogen arsenate [1)]	7784-40-9	mg/kg	N.D.
Sodium dichromate [2)]	7789-12-0 10588-01-9	mg/kg	N.D.
Cobalt dichloride [1)]	7646-79-9	mg/kg	N.D.
Bis(tributyltin)oxide [1)]	56-35-9	mg/kg	N.D.

Remark:
1) The substances are tested in term of its respective elements (e.g. As, Pb)
2) The substances are tested in term of Cr (VI)

Notes:
- 50 mg/kg = 0.005% by weight in homogeneous materials
- N.D. = Not detected (lower than Method Detection Limit)

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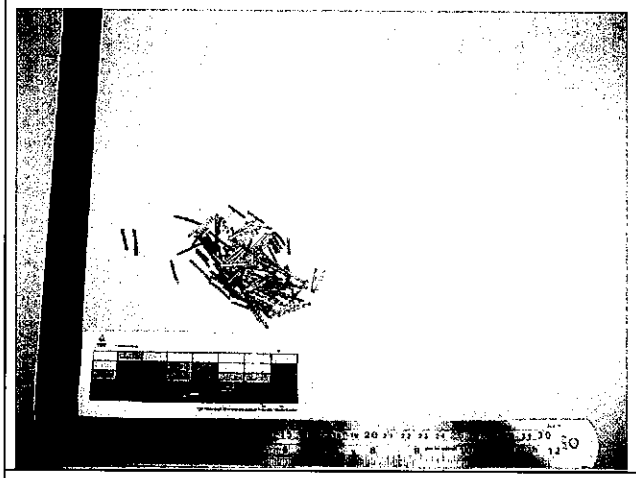
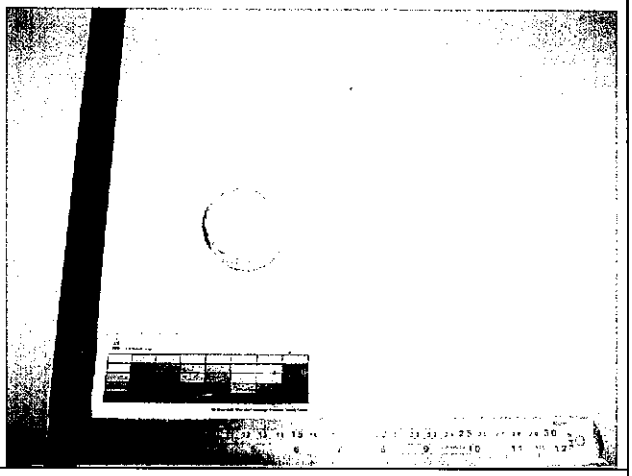
Photo attachment	
Material No. 1	**Material No. 2**
	
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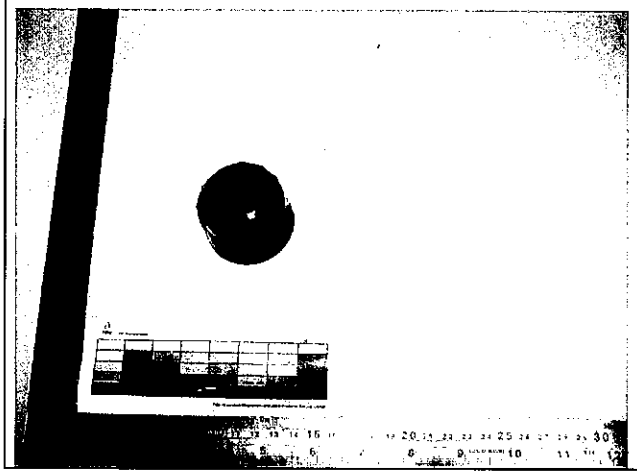	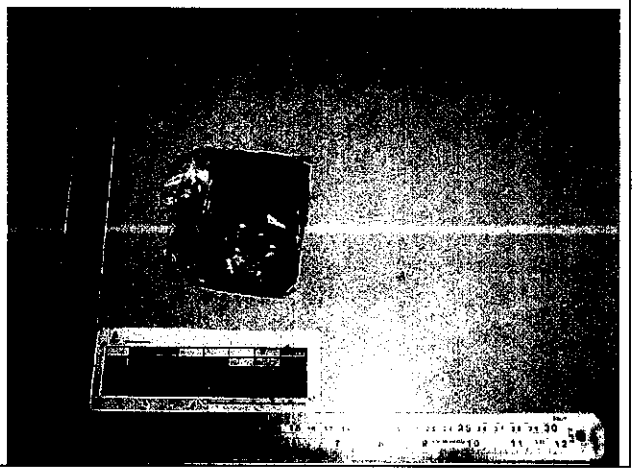

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Photo attachment	
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	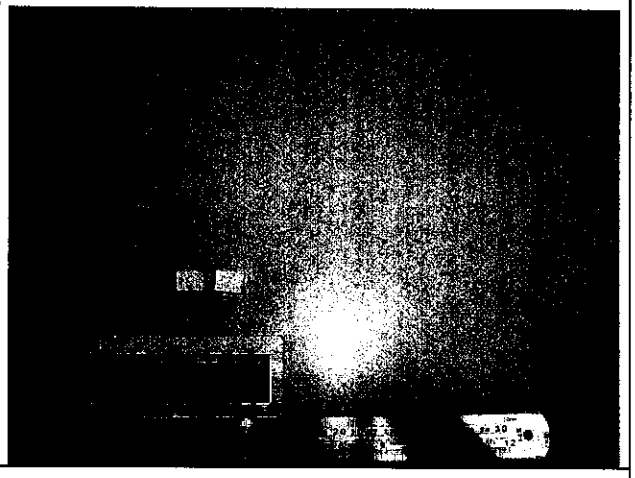
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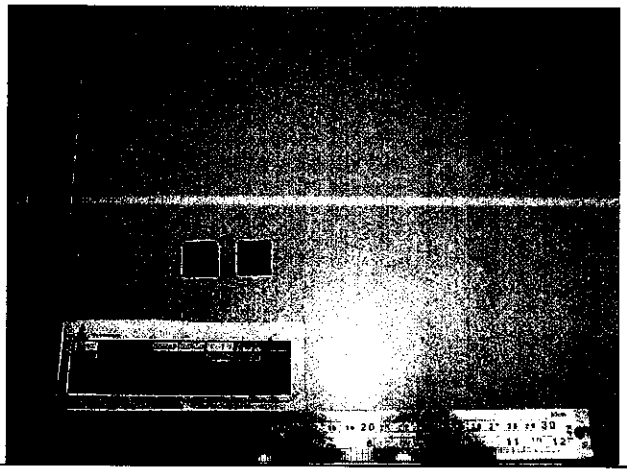	

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