

No.: GZ0607107283A/CHEM

Date: JUL 25, 2006

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KJ (H.K) ELECTRONICS CO., LIMITED 1F, SUN LING PLAZA, 30 ON KUI STREET, FANLING, N.T. HONGKONG

Report on the submitted sample said to be V-CHIP ALUMINUM ELECTROLYTIC CAPACITORS

SGS Ref No.

: SZ060734515RS

Sample Receiving Date

: JUL 11, 2006

Testing Period

: JUL 11, 2006 TO JUL 20, 2006

Test Requested

: (1) As specified by client, to determine the Lead, Cadmium, Mercury & Hexavalent Chromium content in the submitted sample.

(2) Determination of PBBs (Polybrominated Biphenyls), PBDEs (Polybrominated

Diphenylethers) of the submitted sample.

Test Method

: (1) Lead content - With reference to EPA 3050B: 1996 & other acid digestion. Cadmium content - With reference to BS EN1122: 2001 method B & other acid digestion. Mercury content - With reference to EPA 3052: 1996 & EPA 7473: 1998 & other acid digestion.

Hexavalent Chromium content - With reference to EPA 3060A: 1996 & EPA 7196A: 1992 & with reference to IEC / TC111 (Draft) (Sec. 8.5.2 – Boiling-water-extraction method). Analysis was performed by Atomic Absorption Spectrometer & Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES) & Direct Mercury analyzer & UV-VIS

(2) With reference to EPA 3540C & EPA 3550C. Analysis was performed by GC-MS.

Results

: Please refer to next page.

Signed for and on behalf of SGS-CSTC Ltd.

Wang HongLei, Leo Sr. Engineer

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Results:

(1)

Item	Unit	MDL	No.1	No.2	No.3	No.4
Lead Content (Pb)	ppm	2	7	N.D.	27	N.D.
Cadmium Content (Cd)	ppm	2	N.D.	N.D.	N.D.	N.D.
Mercury Content (Hg)	ppm	2	N.D.	N.D.	N.D.	N.D.
Hexavalent Chromium Content [Cr(VI)]	ppm	2		N.D.		N.D.

Item	Unit	MDL	No.5	No.6	No.7	No.8	No.9
Lead Content (Pb)	ppm	2	N.D.	6	22	9	N.D.
Cadmium Content (Cd)	ppm	2	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury Content (Hg)	ppm	2	N.D.	N.D.	N.D.	N.D.	N.D.
Hexavalent Chromium Content [Cr(VI)]	ppm	2	N.D.	N.D.		N.D.	N.D.

Note: - N.D. = Not Detected (< MDL)

- MDL = Method Detection Limit

-ppm = mg/kg

Item	No.1	No.3	No.7
Hexavalent Chromium Content [Cr(VI)]	Negative	Negative	Negative

Note: - Negative means the concentration of Hexavalent Chromium extracted from 50cm2 sample is less than the detection limit.

- Detection limit of Cr(VI) in solution = 0.02 mg/kg Cr(VI) extracted from 50cm² sample surface area by boiling-water-extraction method

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(2)

Item	Unit	MDL	No.1	No.2	No.3	No.4
Flame Retardants						
Polybrominated Biphenyls (PBBs)		THUSING			1 38-31	Marine Marine
Monobromobiphenyl	ppm	5	N.D.	N.D.	N.D.	N.D.
Dibromobiphenyl	ppm	5	N.D.	N.D.	N.D.	N.D.
Tribromobiphenyl	ppm	5	N.D.	N.D.	N.D.	N.D.
Tetrabromobiphenyl	ppm	5	N.D.	N.D.	N.D.	N.D.
Pentabromobiphenyl	ppm	5	N.D.	N.D.	N.D.	N.D.
Hexabromobiphenyl	ppm	5	N.D.	N.D.	N.D.	N.D.
Heptabromobiphenyl	ppm	5	N.D.	N.D.	N.D.	N.D.
Octabromobiphenyl	ppm	5	N.D.	N.D.	N.D.	N.D.
Nonabromodiphenyl	ppm	5	N.D.	N.D.	N.D.	N.D.
Decabromodiphenyl	ppm	5	N.D.	N.D.	N.D.	N.D.
Polybrominated Diphenylethers (PBDEs)	Eth I					
Monobromodiphenyl ether	ppm	5	N.D.	N.D.	N.D.	N.D.
Dibromodiphenyl ether	ppm	5	N.D.	N.D.	N.D.	N.D.
Tribromodiphenyl ether	ppm	5	N.D.	N.D.	N.D.	N.D.
Tetrabromodiphenyl ether	ppm	5	N.D.	N.D.	N.D.	N.D.
Pentabromodiphenyl ether	ppm	5	N.D.	N.D.	N.D.	N.D.
Hexabromodiphenyl ether	ppm	5	N.D.	N.D.	N.D.	N.D.
Heptabromodiphenyl ether	ppm	5	N.D.	N.D.	N.D.	N.D.
Octabromodiphenyl ether	ppm	5	N.D.	N.D.	N.D.	N.D.
Nonabromodiphenyl ether	ppm	5	N.D.	N.D.	N.D.	N.D.
Decabromodiphenyl ether	ppm	5	N.D.	N.D.	N.D.	N.D.

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Item	Unit	MDL	No.5	No.6	No.7	No.8	No.9
Flame Retardants							
Polybrominated Biphenyls (PBBs)		and the second		NO DE	Ched Ro		no sadi
Monobromobiphenyl	ppm	5	N.D.	N.D.	N.D.	N.D.	N.D.
Dibromobiphenyl	ppm	5	N.D.	N.D.	N.D.	N.D.	N.D.
Tribromobiphenyl	ppm	5	N.D.	N.D.	N.D.	N.D.	N.D.
Tetrabromobiphenyl	ppm	5	N.D.	N.D.	N.D.	N.D.	N.D.
Pentabromobiphenyl	ppm	5	N.D.	N.D.	N.D.	N.D.	N.D.
Hexabromobiphenyl	ppm	5	N.D.	N.D.	N.D.	N.D.	N.D.
Heptabromobiphenyl	ppm	5	N.D.	N.D.	N.D.	N.D.	N.D.
Octabromobiphenyl	ppm	5	N.D.	N.D.	N.D.	N.D.	N.D.
Nonabromodiphenyl	ppm	5	N.D.	N.D.	N.D.	N.D.	N.D.
Decabromodiphenyl	ppm	5	N.D.	N.D.	N.D.	N.D.	N.D.
Polybrominated Diphenylethers (PBDEs)	7 1/4 2		The second		F / E.		H-
Monobromodiphenyl ether	ppm	5	N.D.	N.D.	N.D.	N.D.	N.D.
Dibromodiphenyl ether	ppm	5	N.D.	N.D.	N.D.	N.D.	N.D.
Tribromodiphenyl ether	ppm	5	N.D.	N.D.	N.D.	N.D.	N.D.
Tetrabromodiphenyl ether	ppm	5	N.D.	N.D.	N.D.	N.D.	N.D.
Pentabromodiphenyl ether	ppm	5	N.D.	N.D.	N.D.	N.D.	N.D.
Hexabromodiphenyl ether	ppm	5	N.D.	N.D.	N.D.	N.D.	N.D.
Heptabromodiphenyl ether	ppm	5	N.D.	N.D.	N.D.	N.D.	N.D.
Octabromodiphenyl ether	ppm	5	N.D.	N.D.	N.D.	N.D.	N.D.
Nonabromodiphenyl ether	ppm	5	N.D.	N.D.	N.D.	N.D.	N.D.
Decabromodiphenyl ether	ppm	5	N.D.	N.D.	N.D.	N.D.	N.D.

Note: - N.D. = Not Detected (< MDL)

- MDL= Method Detection Limit

-ppm = mg/kg

Sample Description:

No.1 Grey foil

No.2 White paper

No.3 Silvery metal pin

No.4 Transparent adhesive tape

No.5 Transparent liquid

No.6 Black rubber

No.7 Silvery metal shell

No.8 Black plastic

No.9 Black ink

*** End of Report ***

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PHOTO APPENDIX





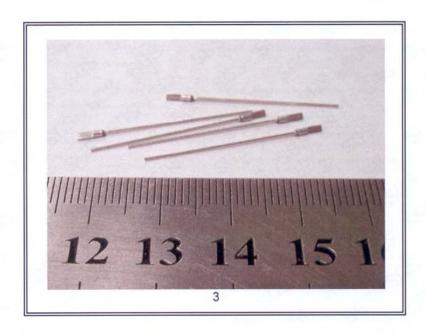
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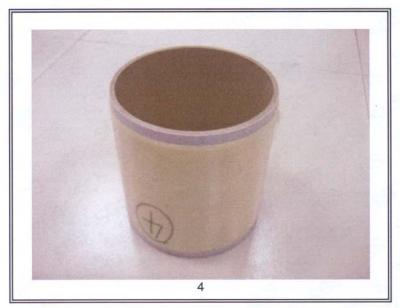
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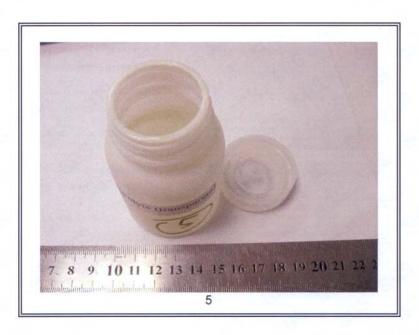
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Signed for and on behalf of SGS-CSTC Ltd.

Zhang Li, Amy Sr. Engineer

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