

喬山健康科技(上海)有限公司
JOHNSON HEALTH TECH.(SHANGHAI)CO.,LTD

承認書

SPECIFICATION FOR APPROVAL

喬山品名: 石英振蕩器 32.768KHZ 喬山料号: 068073-00

喬山圖号: 適用機種:

送樣理由: 廠商型號:

廠商簽名	承認章	核對	校對	主辦
	APPROVED	APPROVAL BY	CHECKED BY	PREPARED BY
		吳 燕	陈伟萍	史益祥
喬山承認	資材簽核		資材主辦	
	承認章	核對	校對	主辦
	APPROVED	APPROVAL BY	CHECKED BY	PREPARED BY
	<input checked="" type="checkbox"/> 認可		<input type="checkbox"/> 有條件認可	<input type="checkbox"/> 不予以認可

首批進料時間(IQC 填寫)

送樣廠商名稱 上海展延电子有限公司

地址 上海市闵行区古美路 675 弄 7 号 501 室

TEL 021-34222445 FAX 021-64807800

廠商資歷: ☐ISO9001 ☐ISO14001 ☐其他

廠商履歷: ☐首次送樣 ☐多次送樣

備註:顯示的物料必須經業務/研發/品保三方確認,承認方可有效

上海展延电子有限公司

Shanghai Zhanyan Electronics Co., Ltd.

Tel.:8621-34222445

Fax.:8621-64807800 E-mail:shsy@vip.sohu.com

CRYSTAL SPECIFICATION

No. :W38D32K76C05

FREQUENCY	32.768KHz
HOLDER TYPE	@308
OSCILLATION MODE	Tuning Fork
FREQUENCY TOLERANCE	$\pm 5\text{ppm}$ (at $+25^{\circ}\text{C} \pm 2^{\circ}\text{C}$)
OPERATING TEMPERATURE	-10°C to $+60^{\circ}\text{C}$
TEMPERATURE TOLERANCE	-20°C to $+70^{\circ}\text{C}$
DRIVE LEVER	1.0uW
LOAD CAPACITANCE	12.5pF
SHUNT CAPACITANCE	2.0pF max
EQUIVALENT RESISTANCE	30K ohm max
INSULATION RESISTANCE	500M ohm min
AGING	$\pm 5\text{ppm/Year}$ max
TEST SET	S&A 250B
MARKING	32.768



Test Report

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Applicant WUXI ZHENGKE ELECTRONICS.CO.,LTD

Address NO.2,XIANFENG ROAD(W),NEW CENTURY INDUSTRIAL PARK,ZHAQIAO,WUXI

Report on the submitted sample(s) said to be

Sample Name Frequency Devices
Sample Description Electronic Components
Part No. Qscillator/Buzzer/Resonator/Crystal
Sample Received Date Jun. 8, 2010
Testing Period Jun. 8, 2010 to Jun. 11, 2010

Test Requested To determine the Cadmium(Cd), Hexavalent Chromium (Cr(VI)), Lead(Pb), Mercury(Hg), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs) content in the submitted sample according to the request of client.

Test Method

Test Item(s)	Test Method	Measured Equipment(s)	MDL
Lead(Pb)	IEC 62321:2008 Ed.1 Sec.10	ICP-OES	2mg/kg
Cadmium(Cd)	IEC 62321:2008 Ed.1 Sec.10	ICP-OES	2mg/kg
Mercury(Hg)	IEC 62321:2008 Ed.1 Sec.7	ICP-OES	2mg/kg
Hexavalent Chromium (Cr(VI))	IEC 62321:2008 Ed.1 Annex B	UV-Vis	/
Polybrominated Biphenyls (PBBs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	5mg/kg
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	5mg/kg

Test Result(s) Please refer to the following page(s).

Tested by  *uan*
Approved by *Chen Hian*
Technical Manager

Inspected by *Zhong Yijun*
Date Jun. 11, 2010
No. 94223059





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Test Result(s)

Tested Item(s)	Content
Lead(Pb)	N.D.
Cadmium (Cd)	N.D.
Mercury(Hg)	N.D.
Hexavalent Chromium (Cr(VI))	Negative
Tested Item(s)	Content
Polybrominated Biphenyls (PBBs)	
Monobromobiphenyl	N.D.
Dibromobiphenyl	N.D.
Tribromobiphenyl	N.D.
Tetrabromobiphenyl	N.D.
Pentabromobiphenyl	N.D.
Hexabromobiphenyl	N.D.
Heptabromobiphenyl	N.D.
Octabromobiphenyl	N.D.
Nonabromobiphenyl	N.D.
Decabromobiphenyl	N.D.
Tested Item(s)	Content
Polybrominated Diphenyl Ethers (PBDEs)	
Monobromodiphenyl ether	N.D.
Dibromodiphenyl ether	N.D.
Tribromodiphenyl ether	N.D.
Tetrabromodiphenyl ether	N.D.
Pentabromodiphenyl ether	N.D.
Hexabromodiphenyl ether	N.D.
Heptabromodiphenyl ether	N.D.
Octabromodiphenyl ether	N.D.
Nonabromodiphenyl ether	N.D.
Decabromodiphenyl ether	N.D.

Note: The sample had been dissolved totally tested for Lead, Cadmium, Mercury.

-MDL = Method Detection Limit

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

-mg/kg = ppm = parts per million

-Negative = Absence of Cr(VI), the detected Cr(VI) concentration in the boiling water extraction solution is less than 0.02 mg/kg with 50cm² sample surface area used.



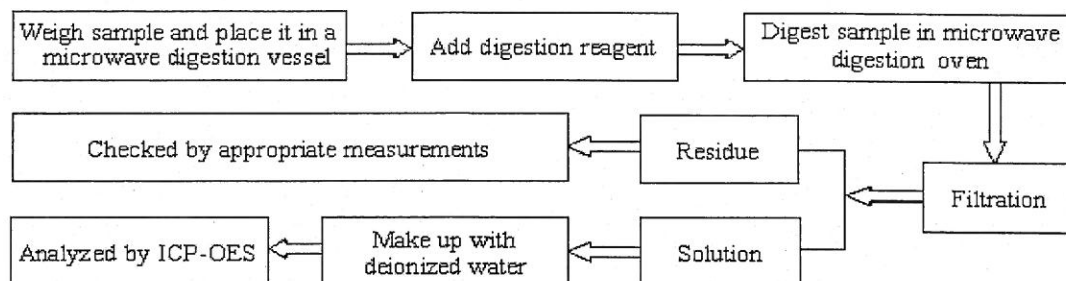
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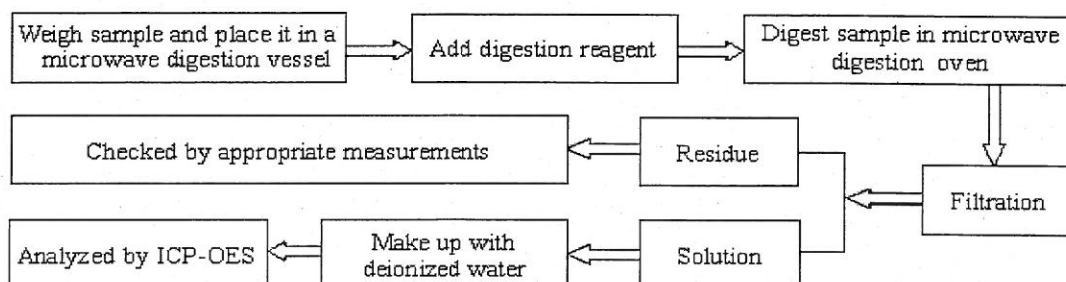
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Test Process

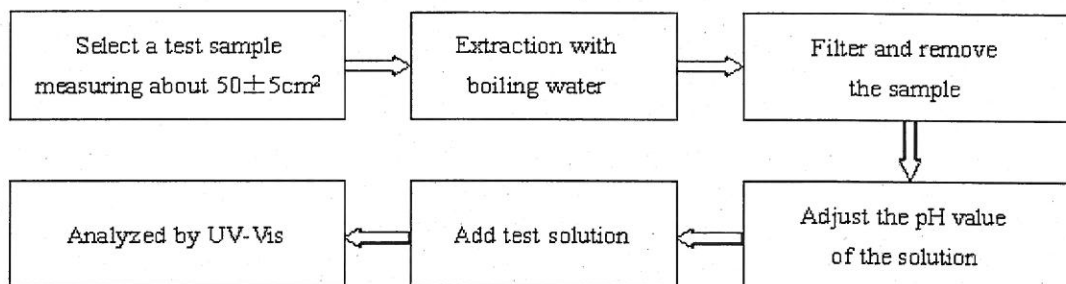
1. Lead(Pb), Cadmium(Cd)



2. Mercury(Hg)



3. Hexavalent Chromium (Cr(VI))

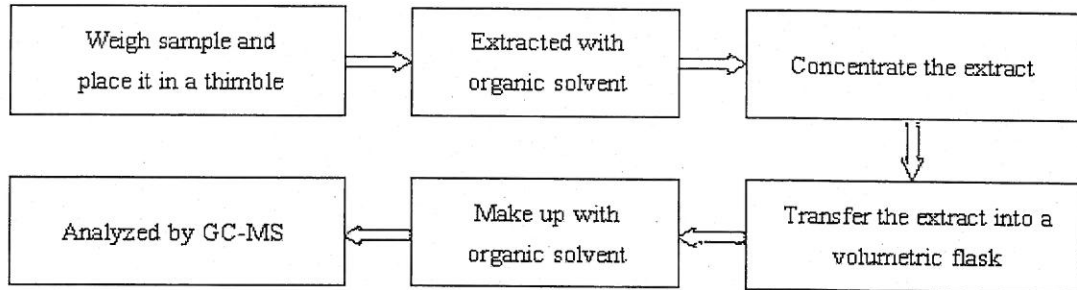


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4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



*** End of report ***

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