

SGS

Test Report

No. TJTC 0823760/CHEM

Date: April 8, 2008

Page 1 of 3

QINHUANGDAO YAOHUA QUARTZ TECHNOLOGY DEVELOPMENT CO; LTD
XIGANG ROAD, YAOHUA INDUSTRIAL ZONE, QINHUANGDAO, HEBEI, CHINA

The following sample(s) was/were submitted and identified by/on behalf of the client as: UV GRADE FUSED SILICA

SGS Ref No. : 10920643
Material : SiCl₄
Part No. : JGS1
Lot No. : 83-05-03

Sample Receiving Date : March 27, 2008
Testing Period : March 27 to April 01, 2008

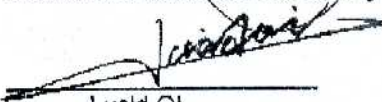
Test Requested : In accordance with the RoHS Directive 2002/95/EC, and its amendment directives

Test method : With reference to IEC 62321/2nd CDV (111/95/CDV)
Procedures for the Determination of Levels of Regulated Substances in
Electrotechnical Products
1) Determination of Cadmium by AAS
2) Determination of Lead by AAS
3) Determination of Mercury by ICP-AES
4) Determination of Hexavalent Chromium by Colorimetric Method
5) Determination of PBBs and PBDEs by GC/MS

Test Results : Please refer to next page

Conclusion : Based on the performed tests on submitted samples, the results comply with the
RoHS Directive 2002/95/EC and its subsequent amendments.

Signed for and on behalf of
SGS-CSTC Chemical Laboratory


Lucid Qi
Manager

This document is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. This document cannot be reproduced except in full without prior approval of the Company.

SGS-CSTC Technology Services Co., Ltd.
Tianjin Branch

C1-8 to 9, 1/F, No. 41, The 5th Avenue, TEDA, Tianjin, China 300457 | (86-22) 25238899 | 135 | (86-22) 25235252 | www.cn.sgs.com
中国·天津·经济技术开发区第五大街41号1层C区8-9号 邮编: 300457 | (86-22) 25238899 | 135 | (86-22) 25235252 | sgs.china@sgs.com

124876

Member of the SGS Group (SGS SA)

Test results by chemical method (Unit: mg/kg)

Test Item(s):	Method (refer to)	A	MDL	RoHS Limit
Cadmium (Cd)	(1)	n.d.	2	100
Lead (Pb)	(2)	n.d.	2	1000
Mercury (Hg)	(3)	n.d.	2	1000
Hexavalent Chromium (CrVI) by alkaline extraction	(4)	n.d.	2	1000
Sum of PBBs		n.d.	-	1000
Monobromobiphenyl		n.d.	5	-
Dibromobiphenyl		n.d.	5	-
Tribromobiphenyl		n.d.	5	-
Tetrabromobiphenyl		n.d.	5	-
Pentabromobiphenyl		n.d.	5	-
Hexabromobiphenyl		n.d.	5	-
Heptabromobiphenyl		n.d.	5	-
Octabromobiphenyl		n.d.	5	-
Nonabromobiphenyl		n.d.	5	-
Decabromobiphenyl		n.d.	5	-
Sum of PBDEs (Mono to Nona)(Note 4)	(5)	n.d.	-	1000
Monobromodiphenyl ether		n.d.	5	-
Dibromodiphenyl ether		n.d.	5	-
Tribromodiphenyl ether		n.d.	5	-
Tetrabromodiphenyl ether		n.d.	5	-
Pentabromodiphenyl ether		n.d.	5	-
Hexabromodiphenyl ether		n.d.	5	-
Heptabromodiphenyl ether		n.d.	5	-
Octabromodiphenyl ether		n.d.	5	-
Nonabromodiphenyl ether		n.d.	5	-
Decabromodiphenyl ether		n.d.	5	-
Sum of PBDEs (Mono to Deca)		n.d.	-	-

Test Part Description:

A. white glass

Note : (1) mg/kg = ppm

(2) n.d. = Not Detected

(3) MDL = Method Detection Limit

(4) Sum of Mono to NonaBDE & according to 2005/717/EC DecaBDE is exempt.

(5) "-" = Not regulated

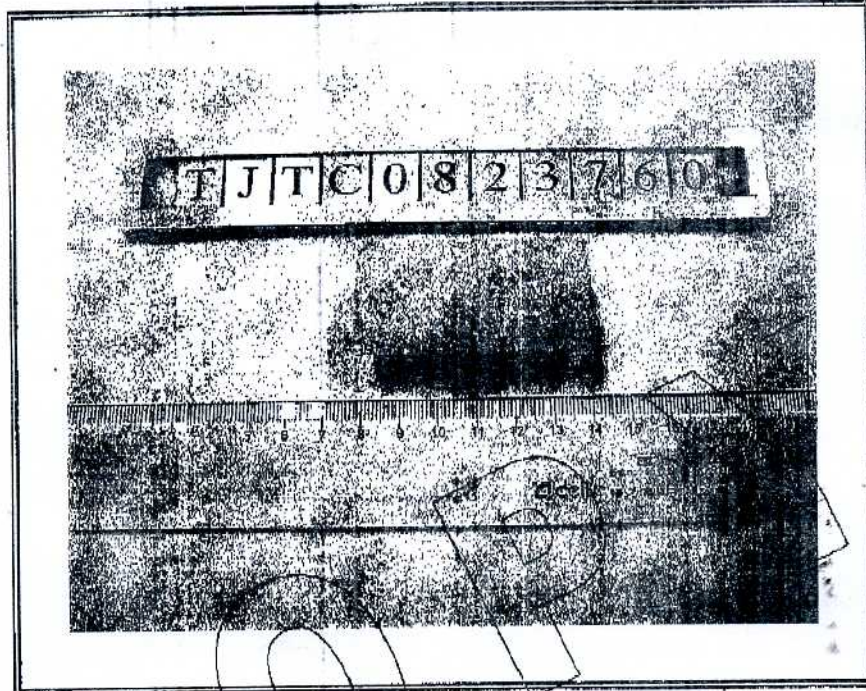
(6) The maximum permissible limit is quoted from the document 2005/618/EC amending RoHS directive 2002/95/EC

This document is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not constitute parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. This document cannot be reproduced except in full or by prior approval of the Company.



124875
 C1-8 to 9: 1/F, No. 41, The 5th Avenue, TEDA, Tianjin, China 300457 | (86-22) 25293999 | (86-22) 25265252 | www.cn.sgs.com
 中国·天津·经济技术开发区第五大街41号1层C区8-9号 邮编: 300457 | (86-22) 25293999 | (86-22) 25265252 | e.sgs.china@sgs.com

Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

This document is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. This document cannot be reproduced except in full without the prior approval of the Company.



C1-8 to 9, 1/F No. 41, The 5th Avenue, TEDA, Tianjin, China 300457 | (86-22) 25293899*135 | (86-22) 25295252 | www.cn.sgs.com
中国·天津·经济技术开发区第五大街41号1层C区8-9号 邮编: 300457 | (86-22) 25293899*135 | (86-22) 25295252 | sgs.china@sgs.com

Member of the SGS Group (SAS)