



## Test Report

No. 2040363/EC

Date :

Page 1 of 7

LEXAR MEDIA INCORPORATED  
47300 BAYSIDE PARKWAY FREMONT, CA 94538 UNITED STATES

Report on the submitted sample said to be JDMICRO

SGS Job No. : 1895386  
Style/itm No. : JDOAXXXX  
1<sup>st</sup> Sample Receiving Date : OCT 21 2005  
2<sup>nd</sup> Sample Receiving Date : NOV 03 2005  
3<sup>rd</sup> Sample Receiving Date : NOV 08 2005  
Testing Period : OCT 22 – NOV 18 2005

Test Requested : With reference to RoHS Directive 2002/95/EC

- 1) To determine the Cadmium Content in the submitted sample.
- 2) To determine the Lead Content in the submitted sample.
- 3) To determine the Mercury Content in the submitted sample.
- 4) To determine the Cadmium, Lead and Mercury content in the submitted metal sample.
- 5) To determine the Hexavalent Chromium Content on the submitted sample.
- 6) Determination of PBBs (polybrominated biphenyls), PBDEs (Polybrominated diphenylethers) of the submitted sample.

Test Method : 1) With reference to BS EN 1122:2001, Method B, analysis was performed by Inductively Coupled Argon Plasma-Atomic Emission Spectrometry (ICP-AES).  
2) With reference to EPA Method 3050B/ 3051/ 3052. Analysis was performed by Inductively Coupled Argon Plasma-Atomic Emission Spectrometry (ICP-AES).  
3) With reference to EPA Method 3051/ 3052. Analysis was performed by Inductively Coupled Argon Plasma-Atomic Emission Spectrometry (ICP-AES).  
4) With reference to in-house method. The sample was digested by acid. Analysis was performed by Atomic Absorption or Inductively Coupled Argon Plasma – Atomic Emission Spectrometry (ICP-AES).  
5) With reference to EPA Method 3060A & 7196A. The samples were alkaline digested by using EPA Method 3060A, and then analyzed by using Colorimetric method 7196A.  
6) With reference to EPA Method 3540C/ 3550C. Analysis was performed by GC/MS or LC/ MS.

Test Results : 1-6) Please refer to next page.

Signed for and on behalf of  
SGS Hong Kong Ltd

\_\_\_\_\_  
Ho Ka Ting, Family  
Laboratory Executive

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This Test Report cannot be reproduced, except in full, without prior written permission of the Company.

## Test Report

No. 2040363/EC

Date :

Page 2 of 7

Test Results :

1-5)

<u>Test Item</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>Detection Limit</u>	<u>Limit</u>
Cadmium (Cd)	ND	ND	ND	ND	2 ppm	100 ppm
Lead (Pb)	ND	ND	ND	59 ppm	2 ppm	1000 ppm
Mercury (Hg)	ND	ND	ND	ND	2 ppm	1000 ppm
Hexavalent Chromium (Cr <sup>6+</sup> )	ND	ND	ND	ND	2 ppm	1000 ppm

<u>Test Item</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>Detection Limit</u>	<u>Limit</u>
Cadmium (Cd)	ND	ND	ND	ND	2 ppm	100 ppm
Lead (Pb)	ND	ND	57 ppm	176 ppm	2 ppm	1000 ppm
Mercury (Hg)	ND	ND	ND	ND	2 ppm	1000 ppm
Hexavalent Chromium (Cr <sup>6+</sup> )	ND	ND	ND	ND	2 ppm	1000 ppm

<u>Test Item</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>Detection Limit</u>	<u>Limit</u>
Cadmium (Cd)	ND	ND	ND	ND	2 ppm	100 ppm
Lead (Pb)	7517 ppm	1.13%	1.06%	11 ppm	2 ppm	1000 ppm
Mercury (Hg)	ND	ND	ND	ND	2 ppm	1000 ppm
Hexavalent Chromium (Cr <sup>6+</sup> )	ND	ND	ND	ND	2 ppm	1000 ppm

<u>Test Item</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>Detection Limit</u>	<u>Limit</u>
Cadmium (Cd)	ND	ND	ND	ND	2 ppm	100 ppm
Lead (Pb)	3574 ppm	ND	ND	ND	2 ppm	1000 ppm
Mercury (Hg)	ND	ND	ND	ND	2 ppm	1000 ppm
Hexavalent Chromium (Cr <sup>6+</sup> )	ND	ND	ND	ND	2 ppm	1000 ppm

(Results shown are of the total weight of samples)

Note : 0.01% = 100 ppm

ppm = mg/kg

ND = Not Detected

Not detected is reported when the reading is less than detection limit value

Remark : The calculation for the reported results of composite samples is based on the minimum weight of the composite sample.

Test Result (Cont'd):

6)

Flame Retardants	1	2	3	4	Detection Limit	Limit
<b>Polybrominated Biphenyls (Mono – Deca)</b>	ND	ND	ND	ND	50 ppm	1000 ppm
Monobromobiphenyl	ND	ND	ND	ND	5 ppm	--
Dibromobiphenyl	ND	ND	ND	ND	5 ppm	--
Tribromobiphenyl	ND	ND	ND	ND	5 ppm	--
Tetrabromobiphenyl	ND	ND	ND	ND	5 ppm	--
Pentabromobiphenyl	ND	ND	ND	ND	5 ppm	--
Hexabromobiphenyl	ND	ND	ND	ND	5 ppm	--
Heptabromobiphenyl	ND	ND	ND	ND	5 ppm	--
Octabromobiphenyl	ND	ND	ND	ND	5 ppm	--
Nonabromobiphenyl	ND	ND	ND	ND	5 ppm	--
Decabromobiphenyl	ND	ND	ND	ND	5 ppm	--
<b>Polybrominated Diphenylethers (Mono – Nona)</b>	ND	ND	ND	ND	45 ppm	1000 ppm
Monobromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Dibromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Tribromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Tetrabromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Pentabromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Hexabromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Heptabromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Octabromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Nonabromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Decabromodiphenyl ether*	12 ppm	ND	ND	ND	5 ppm	See remark

Note : ppm = mg/kg  
 ND = Not Detected  
 Not detected is reported when the reading is less than detection limit value.

Remark : 1) \* Decabromodiphenyl ether (DecaBDE) in polymeric applications is exempted by Commission Decision of 13 Oct 2005 amending Directive 2002/95/EC notified under document 2005/717/EC.  
 2) The calculation on the reported results of composite samples is based on the total weight of the composite sample.  
 3) The composite sampling method is based on the client's special request and is a modification from the testing standard.

Test Result (Cont'd):

6)

Flame Retardants	5	6	7	8	Detection Limit	Limit
<b>Polybrominated Biphenyls (Mono – Deca)</b>	ND	ND	ND	ND	50 ppm	1000 ppm
Monobromobiphenyl	ND	ND	ND	ND	5 ppm	--
Dibromobiphenyl	ND	ND	ND	ND	5 ppm	--
Tribromobiphenyl	ND	ND	ND	ND	5 ppm	--
Tetrabromobiphenyl	ND	ND	ND	ND	5 ppm	--
Pentabromobiphenyl	ND	ND	ND	ND	5 ppm	--
Hexabromobiphenyl	ND	ND	ND	ND	5 ppm	--
Heptabromobiphenyl	ND	ND	ND	ND	5 ppm	--
Octabromobiphenyl	ND	ND	ND	ND	5 ppm	--
Nonabromobiphenyl	ND	ND	ND	ND	5 ppm	--
Decabromobiphenyl	ND	ND	ND	ND	5 ppm	--
<b>Polybrominated Diphenylethers (Mono – Nona)</b>	ND	ND	ND	ND	45 ppm	1000 ppm
Monobromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Dibromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Tribromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Tetrabromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Pentabromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Hexabromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Heptabromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Octabromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Nonabromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Decabromodiphenyl ether*	ND	ND	ND	ND	5 ppm	See remark

Note : ppm = mg/kg  
 ND = Not Detected  
 Not detected is reported when the reading is less than detection limit value.

Remark : 1) \* Decabromodiphenyl ether (DecaBDE) in polymeric applications is exempted by Commission Decision of 13 Oct 2005 amending Directive 2002/95/EC notified under document 2005/717/EC.  
 2) The calculation on the reported results of composite samples is based on the total weight of the composite sample.  
 3) The composite sampling method is based on the client's special request and is a modification from the testing standard.

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This Test Report cannot be reproduced, except in full, without prior written permission of the Company.

Test Result (Cont'd):

6)

Flame Retardants	9	10	11	12	Detection Limit	Limit
<b>Polybrominated Biphenyls (Mono – Deca)</b>	ND	ND	ND	ND	50 ppm	1000 ppm
Monobromobiphenyl	ND	ND	ND	ND	5 ppm	--
Dibromobiphenyl	ND	ND	ND	ND	5 ppm	--
Tribromobiphenyl	ND	ND	ND	ND	5 ppm	--
Tetrabromobiphenyl	ND	ND	ND	ND	5 ppm	--
Pentabromobiphenyl	ND	ND	ND	ND	5 ppm	--
Hexabromobiphenyl	ND	ND	ND	ND	5 ppm	--
Heptabromobiphenyl	ND	ND	ND	ND	5 ppm	--
Octabromobiphenyl	ND	ND	ND	ND	5 ppm	--
Nonabromobiphenyl	ND	ND	ND	ND	5 ppm	--
Decabromobiphenyl	ND	ND	ND	ND	5 ppm	--
<b>Polybrominated Diphenylethers (Mono – Nona)</b>	ND	ND	ND	ND	45 ppm	1000 ppm
Monobromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Dibromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Tribromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Tetrabromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Pentabromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Hexabromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Heptabromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Octabromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Nonabromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Decabromodiphenyl ether*	ND	ND	ND	ND	5 ppm	See remark

Note : ppm = mg/kg  
 ND = Not Detected  
 Not detected is reported when the reading is less than detection limit value.

Remark : 1) \* Decabromodiphenyl ether (DecaBDE) in polymeric applications is exempted by Commission Decision of 13 Oct 2005 amending Directive 2002/95/EC notified under document 2005/717/EC.  
 2) The calculation on the reported results of composite samples is based on the total weight of the composite sample.  
 3) The composite sampling method is based on the client's special request and is a modification from the testing standard.

Test Result (Cont'd):

6)

Flame Retardants	13	14	15	16	Detection Limit	Limit
<b>Polybrominated Biphenyls (Mono – Deca)</b>	ND	ND	ND	ND	50 ppm	1000 ppm
Monobromobiphenyl	ND	ND	ND	ND	5 ppm	--
Dibromobiphenyl	ND	ND	ND	ND	5 ppm	--
Tribromobiphenyl	ND	ND	ND	ND	5 ppm	--
Tetrabromobiphenyl	ND	ND	ND	ND	5 ppm	--
Pentabromobiphenyl	ND	ND	ND	ND	5 ppm	--
Hexabromobiphenyl	ND	ND	ND	ND	5 ppm	--
Heptabromobiphenyl	ND	ND	ND	ND	5 ppm	--
Octabromobiphenyl	ND	ND	ND	ND	5 ppm	--
Nonabromobiphenyl	ND	ND	ND	ND	5 ppm	--
Decabromobiphenyl	ND	ND	ND	ND	5 ppm	--
<b>Polybrominated Diphenylethers (Mono – Nona)</b>	ND	ND	ND	ND	45 ppm	1000 ppm
Monobromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Dibromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Tribromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Tetrabromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Pentabromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Hexabromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Heptabromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Octabromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Nonabromodiphenyl ether	ND	ND	ND	ND	5 ppm	--
Decabromodiphenyl ether*	ND	ND	ND	ND	5 ppm	See remark

Note : ppm = mg/kg  
 ND = Not Detected  
 Not detected is reported when the reading is less than detection limit value.

Remark : 1) \* Decabromodiphenyl ether (DecaBDE) in polymeric applications is exempted by Commission Decision of 13 Oct 2005 amending Directive 2002/95/EC notified under document 2005/717/EC.  
 4) The calculation on the reported results of composite samples is based on the total weight of the composite sample.  
 5) The composite sampling method is based on the client's special request and is a modification from the testing standard.

Sample Description :

1. Semi-Transparent Glass Fiber w/ Green and White Printing w/ Golden Metal (37-7D04-C4-LF)
2. Black Plastic (Housing 40-9010-00LF)
3. Silvery Metal (Case 40-9010-00LF)
4. Silvery Metal w/ Golden Plating (Terminal 40-9010-00LF)
5. Transparent Plastic w/ White and Blue Printing w/ Golden Metal (43-0271-00-LF)
6. Black Plastic w/ Grey Printing w/ Silvery Chips w/ Silvery Metal w/ Bronze Coating (59-0049-67-LF and 59-0051-67-LF)
7. Light Brown Ceramic w/ Brown Printing w/ Silvery Metal (62-2106-96-LF) + Grey Ceramic w/ Silvery Metal (62-3104-89-LF) + Grey Ceramic w/ Silvery Metal (62-3103-89-LF)
8. Grey Ceramic w/ Silvery Metal (62-3105-99-LF) + Grey Ceramic w/ Silvery Metal (62-3200-89-LF) + Grey Ceramic w/ Silvery Metal (62-3106-99-LF)
9. White Ceramic w/ Black Printing w/ Silvery Metal (63-0000-89-LF) + White Ceramic w/ Black Printing w/ Silvery Metal (63-0102-89-LF) + White Ceramic w/ Black Printing w/ Silvery Metal (63-0104-89-LF)
10. White Ceramic w/ Black Printing w/ Silvery Metal (63-0470-89-LF) + White Ceramic w/ Black Printing w/ Silvery Metal (63-0473-89-LF) + White Ceramic w/ Black Printing w/ Silvery Metal (63-0562-89-LF)
11. White Ceramic w/ Black Printing w/ Silvery Metal (63-1501-89-LF) + White Ceramic w/ Black Printing w/ Silvery Metal (63-1401-88-LF) + White Ceramic w/ Black Printing w/ Silvery Metal (63-3409-88-LF)
12. Black Ceramic w/ Semi-Transparent Crystal w/ Silvery Printing w/ Silvery Metal w/ Golden Metal (65-3030-01-LP)
13. White Ceramic w/ Black Printing w/ Silvery Metal (65-3104-89-LP)
14. Black Plastic w/ Grey Printing w/ Silvery Chips w/ Silvery Metal (67-1139-00-LF)
15. Transparent Grey Plastic (30-3087-04-LF) + Transparent Grey Plastic w/ Grey Coating (30-3087-02-LF) + Transparent Grey Plastic w/ Grey Coating (30-3087-05-LF)
16. Transparent Plastic w/ Silvery, Blue, and Black Coating w/ White Adhesive Backing (Label (HP)) + Transparent Plastic w/ Silvery and Black Coating w/ White Adhesive Backing (Label (USB))

\*\*\* End of Report \*\*\*