

## Test Report

No: 10252781(1)R2

Date: 23-Nov-11

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JSB Tech Pte Ltd  
20 Science Park Road #02-03A Teletch Park Singapore 117674

**THIS REPORT IS TO SUPERSEDE TEST REPORT NO.: 10252781(1) R1 DATED 18 Nov 2011**

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

Sample Description : Digipas DWL Digital Level Series (Aluminium Base)

Sample Receiving Date : 09-Nov-11  
Testing Period : 09-Nov-11 to 17-Nov-11

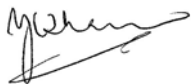
Test Requested : In accordance with the RoHS Directive 2011/65/EU Annex II.

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Test Result(s) : Please refer to next page(s).

Conclusion : Based on the performed tests on submitted sample(s), the results **comply with** the RoHS Directive 2011/65/EU Annex II ; recasting 2002/95/EC.

Signed for and on behalf of  
SGS Testing & Control Services Singapore Pte Ltd



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Y.C. Tham  
Laboratory Manager

Test Location: 26 Ayer Rajah Crescent, #07-08, Singapore 139944

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# Test Report

No: 10252781(1)R2

Date: 23-Nov-11

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## Test Result(s):

Sample Description : Digipas DWL Digital Level Series (Aluminium Base)

| Test Item(s):                                                           | Unit  | Method                                                                                                          | Results  | MDL                                             | RoHS Limit |
|-------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------|------------|
| Cadmium(Cd)                                                             | mg/kg | With reference to IEC62321, Ed1:2008. Analysis was performed by ICP/AES                                         | n.d.     | 2                                               | 100        |
| Lead (Pb)                                                               | mg/kg | With reference to IEC62321, Ed1:2008. Analysis was performed by ICP/AES                                         | n.d.     | 2                                               | 1000       |
| Mercury (Hg)                                                            | mg/kg | With reference to IEC62321, Ed1:2008. Analysis was performed by ICP/AES                                         | n.d.     | 2                                               | 1000       |
| Hexavalent Chromium (CrVI)<br>(By spot test / boiling water extraction) | ---   | With reference to IEC62321, Ed1:2008 and performed by Spot test / boiling water extraction method. (see Note 9) | Negative | 0.02 mg/kg with 50 cm <sup>2</sup> surface area | #          |

Note:

- (1) mg/kg = ppm ; 0.1wt% = 1000ppm
- (2) n.d.= Not Detected
- (3) MDL = Method Detection Limit
- (4) ## = The exemption of DecaBDE in polymeric application according 2005/717/EC was overruled by the European Court of Justice by its decision of 01.04.2008. Subsequently DecaBDE will be included in the sum of PBDE after 01.07.2008.
- (5) “-“ = Not regulated
- (6) “---“: No unit (Qualitative Test)
- (7) \* : Exceeds limit
- (8) # : Positive means the presence of CrVI on the tested areas.  
Negative means the absence of CrVI on the tested areas.
- (9) Spot-test:  
Negative = Absence of Cr(VI) coating / surface layer  
Positive = Presence of Cr(VI) coating / surface layer  
The tested sample should be further verified by boiling-water-extraction method if the spot test result cannot be confirmed.  
Boiling-water extraction:  
Negative = Absence of Cr(VI) coating / surface layer  
Positive = Presence of Cr(VI) coating / surface layer  
the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm<sup>2</sup> sample surface area.

Lab Analyst(s): Jay and Jojo

Remarks: Sample received was totally dissolved by preconditioning methods.

Test Location: 26 Ayer Rajah Crescent, #07-08, Singapore 139944

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## Test Report

No: 10252781(2)R1

Date: 18-Nov-11

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JSB Tech Pte Ltd  
20 Science Park Road #02-03A Teletch Park Singapore 117674

**THIS REPORT IS TO SUPERSEDE TEST REPORT NO.: 10252781(2) DATED 17 Nov 2011**

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

Sample Description : Digipas DWL Digital level Series (PCBA)

Sample Receiving Date : 09-Nov-11  
Testing Period : 09-Nov-11 to 17-Nov-11

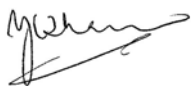
Test Requested : In accordance with the RoHS Directive 2011/65/EU Annex II.

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Test Result(s) : Please refer to next page(s).

Conclusion : Based on the performed tests on submitted sample(s), the results **comply with** the RoHS Directive 2011/65/EU Annex II ; recasting 2002/95/EC.

Signed for and on behalf of  
SGS Testing & Control Services Singapore Pte Ltd



---

Y.C. Tham  
Laboratory Manager

Test Location: 26 Ayer Rajah Crescent, #07-08, Singapore 139944

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# Test Report

No: 10252781(2)R1

Date: 18-Nov-11

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## Test Result(s):

Sample Description : Digipas DWL Digital level Series (PCBA)

| Test Item(s):              | Unit  | Method                                                                              | Results     | MDL | RoHS Limit |
|----------------------------|-------|-------------------------------------------------------------------------------------|-------------|-----|------------|
| Cadmium(Cd)                | mg/kg | With reference to IEC62321, Ed1:2008. Analysis was performed by ICP/AES             | n.d.        | 2   | 100        |
| Lead (Pb)                  | mg/kg | With reference to IEC62321, Ed1:2008. Analysis was performed by ICP/AES             | n.d.        | 2   | 1000       |
| Mercury (Hg)               | mg/kg | With reference to IEC62321, Ed1:2008. Analysis was performed by ICP/AES             | n.d.        | 2   | 1000       |
| Hexavalent Chromium (CrVI) | mg/kg | With reference to IEC62321, Ed1:2008. Analysis was performed by UV/Vis Spectrometry | n.d.        | 2   | 1000       |
| <b>Sum of PBBs</b>         | mg/kg | With reference to IEC62321, Ed1:2008. Analysis was performed by GC/MS               | <b>n.d.</b> | -   | 1000       |
| Monobromobiphenyl          | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Dibromobiphenyl            | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Tribromobiphenyl           | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Tetrabromobiphenyl         | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Hexabromobiphenyl          | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Pentabromobiphenyl         | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Heptabromobiphenyl         | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Octabromobiphenyl          | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Nonabromobiphenyl          | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Decabromobiphenyl          | mg/kg |                                                                                     | n.d.        | 5   | -          |
| <b>Sum of PBDEs</b>        | mg/kg |                                                                                     | <b>n.d.</b> | -   | 1000       |
| Monobromodiphenyl ether    | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Dibromodiphenyl ether      | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Tribromodiphenyl ether     | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Tetrabromodiphenyl ether   | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Pentabromodiphenyl ether   | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Hexabromodiphenyl ether    | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Heptabromodiphenyl ether   | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Octabromodiphenyl ether    | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Nonabromodiphenyl ether    | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Decabromodiphenyl ether ## | mg/kg |                                                                                     | n.d.        | 5   | -          |

Test Location: 26 Ayer Rajah Crescent, #07-08, Singapore 139944

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# Test Report

No: 10252781(3)R1

Date: 18-Nov-11

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JSB Tech Pte Ltd  
20 Science Park Road #02-03A Teletch Park Singapore 117674

**THIS REPORT IS TO SUPERSEDE TEST REPORT NO.: 10252781(3) DATED 17 Nov 2011**

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

Sample Description : Digipas DWL Digital Level Series (Vials (Liquid) )

Sample Receiving Date : 09-Nov-11

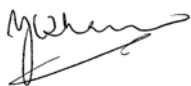
Testing Period : 09-Nov-11 to 17-Nov-11

Test Requested : In accordance with the RoHS Directive 2011/65/EU Annex II.

Test Result(s) : Please refer to next page(s).

Conclusion : Based on the performed tests on submitted sample(s), the results **comply with** the RoHS Directive 2011/65/EU Annex II ; recasting 2002/95/EC.

Signed for and on behalf of  
SGS Testing & Control Services Singapore Pte Ltd



Y.C. Tham  
Laboratory Manager

Test Location: 26 Ayer Rajah Crescent, #07-08, Singapore 139944

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# Test Report

No: 10252781(3)R1

Date: 18-Nov-11

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## Test Result(s):

Sample Description : Digipas DWL Digital Level Series (Vials (Liquid) )

| Test Item(s):              | Unit  | Method                                                                              | Results     | MDL | RoHS Limit |
|----------------------------|-------|-------------------------------------------------------------------------------------|-------------|-----|------------|
| Cadmium(Cd)                | mg/kg | With reference to IEC62321, Ed1:2008. Analysis was performed by ICP/AES             | n.d.        | 2   | 100        |
| Lead (Pb)                  | mg/kg | With reference to IEC62321, Ed1:2008. Analysis was performed by ICP/AES             | n.d.        | 2   | 1000       |
| Mercury (Hg)               | mg/kg | With reference to IEC62321, Ed1:2008. Analysis was performed by ICP/AES             | n.d.        | 2   | 1000       |
| Hexavalent Chromium (CrVI) | mg/kg | With reference to IEC62321, Ed1:2008. Analysis was performed by UV/Vis Spectrometry | n.d.        | 2   | 1000       |
| <b>Sum of PBBs</b>         | mg/kg | With reference to IEC62321, Ed1:2008. Analysis was performed by GC/MS               | <b>n.d.</b> | -   | 1000       |
| Monobromobiphenyl          | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Dibromobiphenyl            | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Tribromobiphenyl           | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Tetrabromobiphenyl         | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Hexabromobiphenyl          | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Pentabromobiphenyl         | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Heptabromobiphenyl         | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Octabromobiphenyl          | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Nonabromobiphenyl          | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Decabromobiphenyl          | mg/kg |                                                                                     | n.d.        | 5   | -          |
| <b>Sum of PBDEs</b>        | mg/kg |                                                                                     | <b>n.d.</b> | -   | 1000       |
| Monobromodiphenyl ether    | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Dibromodiphenyl ether      | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Tribromodiphenyl ether     | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Tetrabromodiphenyl ether   | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Pentabromodiphenyl ether   | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Hexabromodiphenyl ether    | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Heptabromodiphenyl ether   | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Octabromodiphenyl ether    | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Nonabromodiphenyl ether    | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Decabromodiphenyl ether ## | mg/kg |                                                                                     | n.d.        | 5   | -          |

Test Location: 26 Ayer Rajah Crescent, #07-08, Singapore 139944

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# Test Report

No: 10252781(4)R1

Date: 18-Nov-11

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JSB Tech Pte Ltd  
20 Science Park Road #02-03A Teletch Park Singapore 117674

**THIS REPORT IS TO SUPERSEDE TEST REPORT NO.: 10252781(4) DATED 17 Nov 2011**

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

Sample Description : Digipas DWL Digital Level Series (Vials)

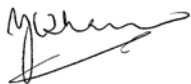
Sample Receiving Date : 09-Nov-11  
Testing Period : 09-Nov-11 to 17-Nov-11

Test Requested : In accordance with the RoHS Directive 2011/65/EU Annex II.

Test Result(s) : Please refer to next page(s).

Conclusion : Based on the performed tests on submitted sample(s), the results **comply with** the RoHS Directive 2011/65/EU Annex II ; recasting 2002/95/EC.

Signed for and on behalf of  
SGS Testing & Control Services Singapore Pte Ltd



Y.C. Tham  
Laboratory Manager

Test Location: 26 Ayer Rajah Crescent, #07-08, Singapore 139944

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# Test Report

No: 10252781(4)R1

Date: 18-Nov-11

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## Test Result(s):

Sample Description : Digipas DWL Digital Level Series (Vials)

| Test Item(s):              | Unit  | Method                                                                              | Results     | MDL | RoHS Limit |
|----------------------------|-------|-------------------------------------------------------------------------------------|-------------|-----|------------|
| Cadmium(Cd)                | mg/kg | With reference to IEC62321, Ed1:2008. Analysis was performed by ICP/AES             | n.d.        | 2   | 100        |
| Lead (Pb)                  | mg/kg | With reference to IEC62321, Ed1:2008. Analysis was performed by ICP/AES             | n.d.        | 2   | 1000       |
| Mercury (Hg)               | mg/kg | With reference to IEC62321, Ed1:2008. Analysis was performed by ICP/AES             | n.d.        | 2   | 1000       |
| Hexavalent Chromium (CrVI) | mg/kg | With reference to IEC62321, Ed1:2008. Analysis was performed by UV/Vis Spectrometry | n.d.        | 2   | 1000       |
| <b>Sum of PBBs</b>         | mg/kg | With reference to IEC62321, Ed1:2008. Analysis was performed by GC/MS               | <b>n.d.</b> | -   | 1000       |
| Monobromobiphenyl          | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Dibromobiphenyl            | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Tribromobiphenyl           | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Tetrabromobiphenyl         | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Hexabromobiphenyl          | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Pentabromobiphenyl         | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Heptabromobiphenyl         | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Octabromobiphenyl          | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Nonabromobiphenyl          | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Decabromobiphenyl          | mg/kg |                                                                                     | n.d.        | 5   | -          |
| <b>Sum of PBDEs</b>        | mg/kg |                                                                                     | <b>n.d.</b> | -   | 1000       |
| Monobromodiphenyl ether    | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Dibromodiphenyl ether      | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Tribromodiphenyl ether     | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Tetrabromodiphenyl ether   | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Pentabromodiphenyl ether   | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Hexabromodiphenyl ether    | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Heptabromodiphenyl ether   | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Octabromodiphenyl ether    | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Nonabromodiphenyl ether    | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Decabromodiphenyl ether ## | mg/kg |                                                                                     | n.d.        | 5   | -          |

Test Location: 26 Ayer Rajah Crescent, #07-08, Singapore 139944

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# Test Report

No: 10252781(5)R1

Date: 18-Nov-11

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JSB Tech Pte Ltd  
20 Science Park Road #02-03A Teletch Park Singapore 117674

**THIS REPORT IS TO SUPERSEDE TEST REPORT NO.: 10252781(5) DATED 17 Nov 2011**

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

Sample Description : Digipas DWL Digital Level Series (LCD)

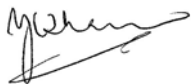
Sample Receiving Date : 09-Nov-11  
Testing Period : 09-Nov-11 to 17-Nov-11

Test Requested : In accordance with the RoHS Directive 2011/65/EU Annex II.

Test Result(s) : Please refer to next page(s).

Conclusion : Based on the performed tests on submitted sample(s), the results **comply with** the RoHS Directive 2011/65/EU Annex II ; recasting 2002/95/EC.

Signed for and on behalf of  
SGS Testing & Control Services Singapore Pte Ltd



Y.C. Tham  
Laboratory Manager

Test Location: 26 Ayer Rajah Crescent, #07-08, Singapore 139944

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# Test Report

No: 10252781(5)R1

Date: 18-Nov-11

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## Test Result(s):

Sample Description : Digipas DWL Digital Level Series (LCD)

| Test Item(s):              | Unit  | Method                                                                              | Results     | MDL | RoHS Limit |
|----------------------------|-------|-------------------------------------------------------------------------------------|-------------|-----|------------|
| Cadmium(Cd)                | mg/kg | With reference to IEC62321, Ed1:2008. Analysis was performed by ICP/AES             | n.d.        | 2   | 100        |
| Lead (Pb)                  | mg/kg | With reference to IEC62321, Ed1:2008. Analysis was performed by ICP/AES             | n.d.        | 2   | 1000       |
| Mercury (Hg)               | mg/kg | With reference to IEC62321, Ed1:2008. Analysis was performed by ICP/AES             | n.d.        | 2   | 1000       |
| Hexavalent Chromium (CrVI) | mg/kg | With reference to IEC62321, Ed1:2008. Analysis was performed by UV/Vis Spectrometry | n.d.        | 2   | 1000       |
| <b>Sum of PBBs</b>         | mg/kg | With reference to IEC62321, Ed1:2008. Analysis was performed by GC/MS               | <b>n.d.</b> | -   | 1000       |
| Monobromobiphenyl          | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Dibromobiphenyl            | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Tribromobiphenyl           | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Tetrabromobiphenyl         | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Hexabromobiphenyl          | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Pentabromobiphenyl         | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Heptabromobiphenyl         | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Octabromobiphenyl          | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Nonabromobiphenyl          | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Decabromobiphenyl          | mg/kg |                                                                                     | n.d.        | 5   | -          |
| <b>Sum of PBDEs</b>        | mg/kg |                                                                                     | <b>n.d.</b> | -   | 1000       |
| Monobromodiphenyl ether    | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Dibromodiphenyl ether      | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Tribromodiphenyl ether     | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Tetrabromodiphenyl ether   | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Pentabromodiphenyl ether   | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Hexabromodiphenyl ether    | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Heptabromodiphenyl ether   | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Octabromodiphenyl ether    | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Nonabromodiphenyl ether    | mg/kg |                                                                                     | n.d.        | 5   | -          |
| Decabromodiphenyl ether ## | mg/kg |                                                                                     | n.d.        | 5   | -          |

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