

**Test Report** No: 10300974(3) R1 Date: 29-Apr-13 Page 1 of 5

JSB Tech Pte Ltd

20 Science Park Road Teletech Park #02-03A Singapore Science Park 2 Singapore 117674

#### THIS REPORT IS TO SUPERSEDE TEST REPORT NO.: 10300974(3) DATED 24-Apr-13

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 : 12-Apr-13

Testing Period : 17-Apr-13 to 24-Apr-13

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: 3 Toh Tuck Link, #01-02, Singapore 596228

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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) (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): Jojo

Remarks: Sample received was totally dissolved by preconditioning methods.

Test Location: 3 Toh Tuck Link, #01-02, Singapore 596228

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Sample photo:

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

SGS authenticate the photo on original report only



Test Location: 3 Toh Tuck Link, #01-02, Singapore 596228

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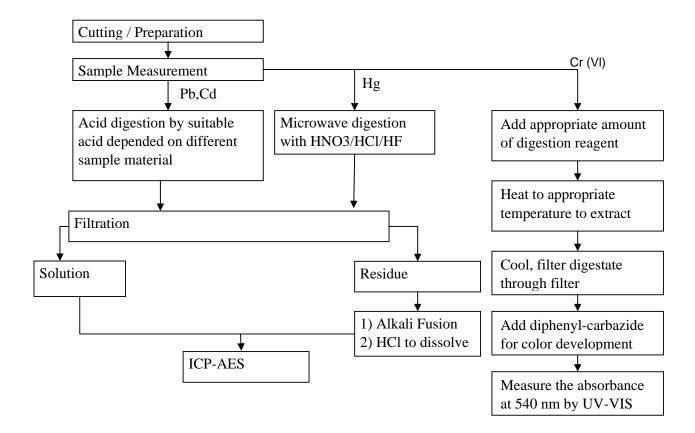
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### Process Flow of IEC 62321 (Pb, Cd, Hg & Cr6+)



Remarks: Sample received was totally dissolved by preconditioning method. (CrVI method excluded)

Test Location: 3 Toh Tuck Link, #01-02, Singapore 596228

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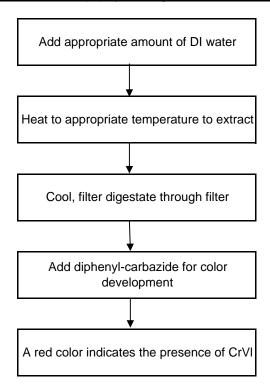


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#### Process Flow of Cr(VI) by Boiling Water Extraction (IEC62321)



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

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