

Test Report

No. SHAEC2205231703 A01

Date: 09 Jun 2022

Page 1 of 5

Client Name : JieJie Semiconductor Co.,Ltd.

Client Address : No.6 jingangshan Road, Nantong Sutong Science and Technology Industrial Park

Sample Name : SMC

Client Ref. Information : TO-3P、TO-92、TO-92CR、TO-92UR、TO-92-2L、TO-220A、TO-220B、TO-220AB、TO-220C、TO-220C-2L、TO-251、TO-252、TO-220F、TO-220FP、TO-220FP-2L、TO-220HF、SOT-223、TO-247、TO-247J-2L、TO-247S、TO-247J、ITO-247、TO-263、DO-218AB、SMTO-218Tab、DO-15、DO-27、DO-41、SOD-123FL、SOD-123FLT、SOD-123、SMA、SMB、SMBF、R6、ABS、DBS、GBJ、GBU、KBP、MBF、MBS、SGBJ、SMD-4032、SMD-3225、SMT-4、SMTF、SMT、SMTJ、SM C-3、TO-277B

The above sample(s) and information were provided by the client.

THIS REPORT IS TO SUPERSEDE TEST REPORT NO.SHAEC2205231701.

SGS Job No. : SP22-007910 - SH

Date of Sample Received : 24 Mar 2022

Testing Period : 24 Mar 2022 - 13 Apr 2022

Test Requested : Selected test(s) as requested by the client.

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

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

Conclusion : Based on the performed tests on submitted sample(s), the results of Lead, Mercury, Cadmium, Hexavalent chromium comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Jenny Lan

Jenny Lan
Approved Signatory

scan to see the report



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Test Result(s) :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	SHA22-052317.002	Silvery metal

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU

Test Method : With reference to IEC 62321-4:2013+AMD1:2017, IEC62321-5:2013 and IEC62321-7-1:2015, analyzed by ICP-OES and UV-Vis .

Test Item(s)	Limit	Unit	MDL	002
Cadmium (Cd)	100	mg/kg	2	ND
Lead (Pb)	1000	mg/kg	2	8
Mercury (Hg)	1000	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))▼	-	µg/cm ²	0.10	ND

Notes :

- (1)The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863. IEC 62321 series is equivalent to EN 62321 series
https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25
- (2)▼ = a. The sample is positive for CrVI if the CrVI concentration is greater than 0.13 µg/cm². The sample coating is considered to contain CrVI
 b. The sample is negative for CrVI if CrVI is ND (concentration less than 0.10 µg/cm²). The coating is considered a non-CrVI based coating
 c. The result between 0.10 µg/cm² and 0.13 µg/cm² is considered to be inconclusive - unavoidable coating variations may influence the determination
 Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

This report added Client Ref. Information.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



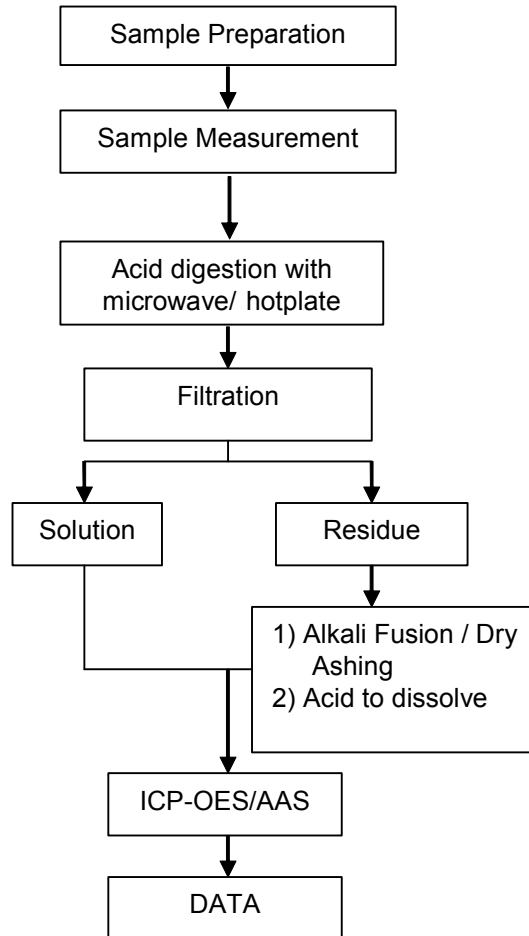
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Elements (IEC62321) Testing Flow Chart

1) These samples were dissolved totally by pre-conditioning method according to below flow chart.

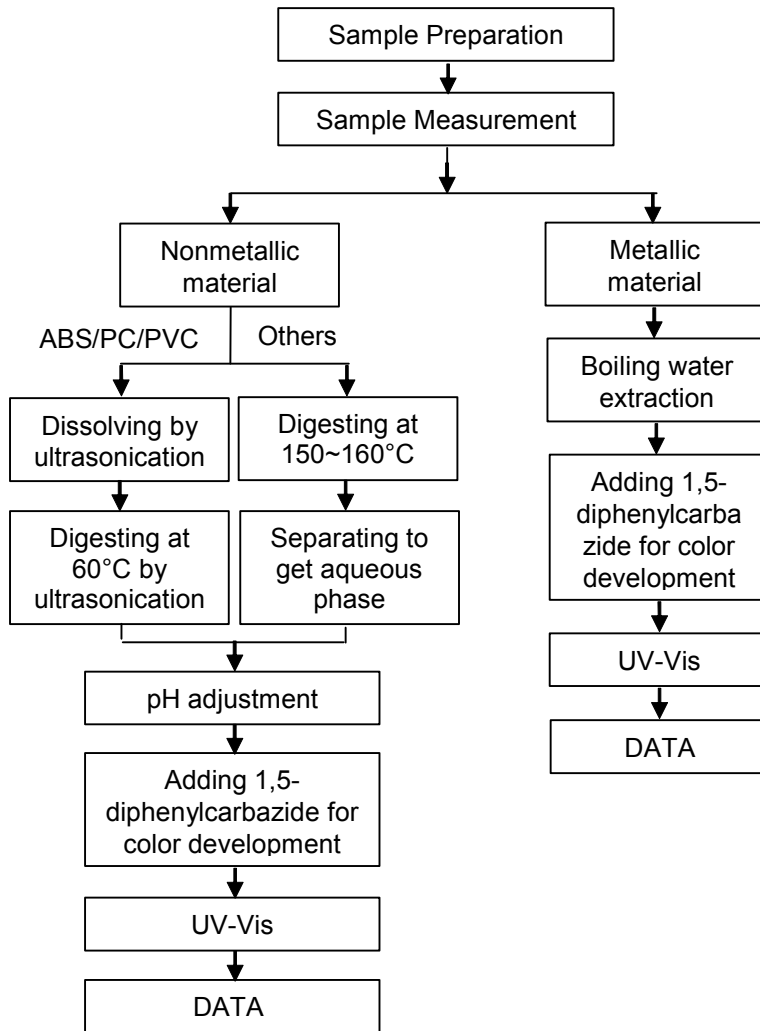


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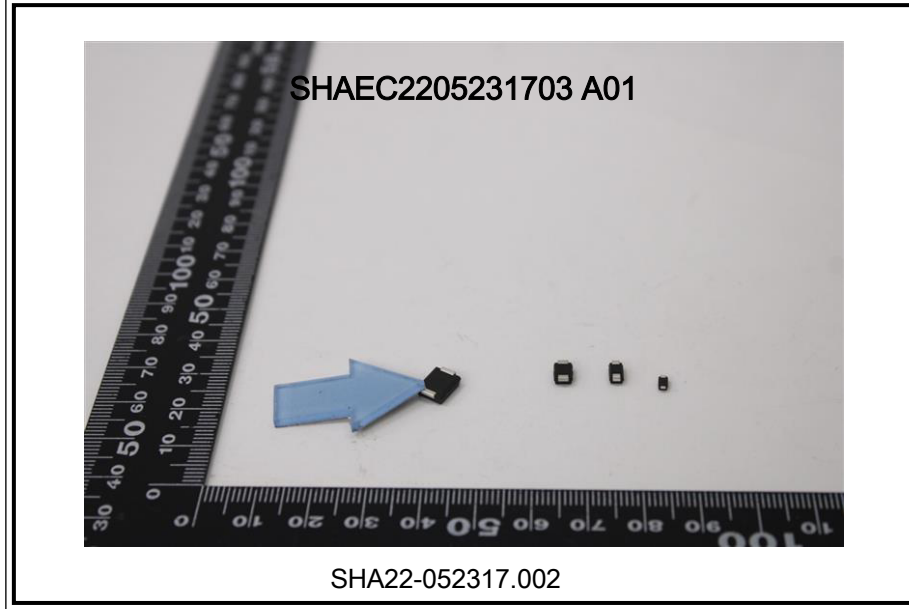
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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Sample photo:



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*** End of Report ***



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