

No.: KE/2016/52417 Date: 2016/05/26

FORMOSA PLASTICS CORPORATION NO. 100, SWEI-KUAN RD., JEN-WU DIST., KAOHSIUNG CITY, TAIWAN (R.O.C.)

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

: PVC Sample Description Style/Item No. : JWS60 : PVC Material Component : WHITE Color Sample Receiving Date : 2016/05/23

Testing Period : 2016/05/23 TO 2016/05/26

Sample Submitted By : FORMOSA PLASTICS CORPORATION

: As specified by client, with reference to RoHS Directive 2011/65/EU Annex II to **Test Requested**

determine Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs contents in the submitted

sample.

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

: Based on the performed tests on submitted samples, the test results of Cadmium, Lead, Conclusion

Mercury, Cr(VI), PBBs, PBDEs comply with the limits as set by RoHS Directive

2011/65/EU Annex II; recasting 2002/95/EC.

Ray Chang Ph.D. / Mana Signed for and on behalf

SGS Taiwan Limited

Chemical Laboratory-Kaohsiung

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company,除非另有說明,此戰告結果僅對測試之樣品負責。本報告未經本公司書面許可,不可部分複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.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 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 exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or the transaction documents. This document carmon be reproduced assessment of the fullest extent of the Jaw.

appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the Jaw.

SGS Taiwan Ltd. , No. 61, Kai-Fa Road, Nanzih Export Processing Zone , Kaohsiung, Taiwan /

台灣檢驗科技股份有限公司 t + 886 (07)301 2121 Page: 1 of 6



No.: KE/2016/52417 Date: 2016/05/26

FORMOSA PLASTICS CORPORATION NO. 100, SWEI-KUAN RD., JEN-WU DIST., KAOHSIUNG CITY, TAIWAN (R.O.C.)

Test Result(s)

PART NAME No.1 : WHITE PVC POWDER

Test Item(s)	Unit	Method	MDL	Result No.1	Limit
	J.III				
Cadmium (Cd)	mg/kg	With reference to IEC 62321-5: 2013 and performed by ICP-AES.	2	n.d.	100
Lead (Pb)	mg/kg	With reference to IEC 62321-5: 2013 and performed by ICP-AES.	2	n.d.	1000
Mercury (Hg)	mg/kg	With reference to IEC 62321-4: 2013 and performed by ICP-AES.	2	n.d.	1000
Hexavalent Chromium Cr(VI)	mg/kg	With reference to IEC 62321: 2008 and performed by UV-VIS.	2	n.d.	1000
Sum of PBBs	mg/kg	With reference to IEC 62321-6: 2015 and performed by GC/MS.	-	n.d.	1000
Monobromobiphenyl	mg/kg		5	n.d.	-
Dibromobiphenyl	mg/kg		5	n.d.	-
Tribromobiphenyl	mg/kg		5	n.d.	-
Tetrabromobiphenyl	mg/kg		5	n.d.	-
Pentabromobiphenyl	mg/kg		5	n.d.	-
Hexabromobiphenyl	mg/kg		5	n.d.	-
Heptabromobiphenyl	mg/kg		5	n.d.	-
Octabromobiphenyl	mg/kg		5	n.d.	-
Nonabromobiphenyl	mg/kg		5	n.d.	-
Decabromobiphenyl	mg/kg		5	n.d.	-
Sum of PBDEs	mg/kg		-	n.d.	1000
Monobromodiphenyl ether	mg/kg		5	n.d.	-
Dibromodiphenyl ether	mg/kg		5	n.d.	-
Tribromodiphenyl ether	mg/kg		5	n.d.	-
Tetrabromodiphenyl ether	mg/kg		5	n.d.	-
Pentabromodiphenyl ether	mg/kg		5	n.d.	-
Hexabromodiphenyl ether	mg/kg		5	n.d.	-
Heptabromodiphenyl ether	mg/kg		5	n.d.	-
Octabromodiphenyl ether	mg/kg		5	n.d.	-
Nonabromodiphenyl ether	mg/kg		5	n.d.	-
Decabromodiphenyl ether	mg/kg		5	n.d.	-

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company.除非另有說明,此報告結果僅對測試之樣品負責。本報告未經本公司書面許可,不可部分複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.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 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 exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is appearance of this document is any to present and the false to the law. appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.
No. 61, Kai-Fa Road, Nanzih Export Processing Zone , Kaohsiung, Taiwan / 高雄市楠梓加工出口區開發路61號

台灣檢驗科技股份有限公司 t + 886 (07)301 2121 f + 886 (07)3010867 www.tw.sgs.com

Page: 2 of 6



No.: KE/2016/52417 Date: 2016/05/26 Page: 3 of 6

FORMOSA PLASTICS CORPORATION NO. 100, SWEI-KUAN RD., JEN-WU DIST., KAOHSIUNG CITY, TAIWAN (R.O.C.)

Note:

1. mg/kg = ppm; 0.1wt% = 1000ppm

2. n.d. = Not Detected

3. MDL = Method Detection Limit

4. " - " = Not Regulated

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company.除非另有說明,此報告結果僅對測試之樣品負責。本報告未經本公司書面許可,不可部分複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.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 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 exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is appearance of this document is appearance of this document is appearance. the transaction documents. This document calified be reproduced except at low minutes appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Talwan Ltd. No. 61, Kai-Fa Road, Nanzih Export Processing Zone , Kaohsiung, Taiwan / 高雄市楠梓加工出口區開發路61號

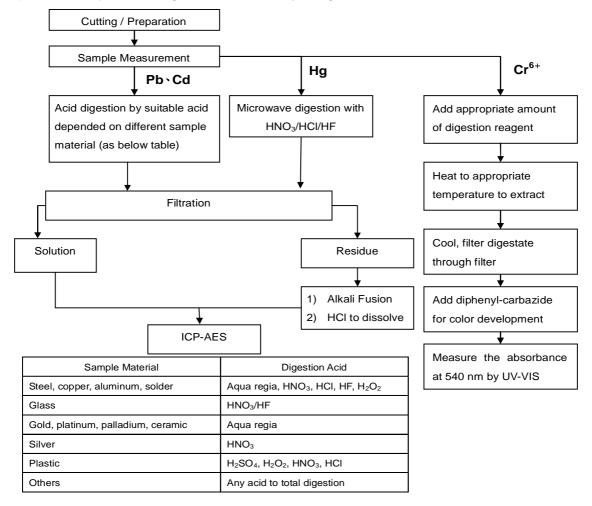
台灣檢驗科技股份有限公司 t + 886 (07)301 2121 f + 886 (07)3010867 www.tw.sgs.com



Page: 4 of 6 No.: KE/2016/52417 Date: 2016/05/26

FORMOSA PLASTICS CORPORATION NO. 100, SWEI-KUAN RD., JEN-WU DIST., KAOHSIUNG CITY, TAIWAN (R.O.C.)

- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr6+ test method excluded)
- Name of the person who made measurement: Jony Liu
- Name of the person in charge of measurement: Ray Chang



Note**: (1) For non-metallic material, add alkaline digestion reagent and heat to 90~95

(2) For metallic material, add pure water and heat to boiling.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company.除非另有說明,此報告結果僅對測試之樣品負責。本報告未經本公司書面許可,不可部分複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.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 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 exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is appearance of this document is appearance of this document is appearance.

the transaction documents. This occurrent carried be reproduced as appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Talwan Ltd. No. 61, Kai-Fa Road, Nanzih Export Processing Zone , Kaohsiung, Taiwan /



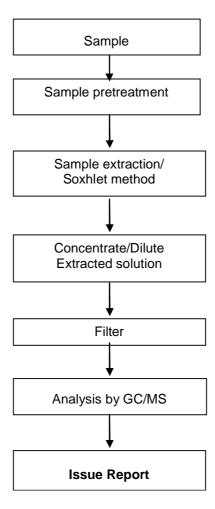
No.: KE/2016/52417 Date: 2016/05/26

FORMOSA PLASTICS CORPORATION NO. 100, SWEI-KUAN RD., JEN-WU DIST., KAOHSIUNG CITY, TAIWAN (R.O.C.)

PBB/PBDE analytical FLOW CHART

1) Name of the person who made measurement: Dorothy Chen

2) Name of the person in charge of measurement: Ray Chang



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company.除非另有說明,此報告結果僅對測試之樣品負責。本報告未經本公司書面許可,不可部分複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.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 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 exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is appearance of this document is appearance of this document is appearance. the transaction documents. This document carmon be reproduced except in our minimum appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. | No. 61, Kai-Fa Road, Nanzih Export Processing Zone , Kaohsiung, Taiwan /

台灣檢驗科技股份有限公司 t + 886 (07)301 2121 f + 886 (07)3010867 高雄市楠梓加工出口區開發路61號 www.tw.sgs.com

Page: 5 of 6



No.: KE/2016/52417 Date: 2016/05/26

FORMOSA PLASTICS CORPORATION NO. 100, SWEI-KUAN RD., JEN-WU DIST., KAOHSIUNG CITY, TAIWAN (R.O.C.)

* The tested sample / part is marked by an arrow if it's shown on the photo. *





** End of Report **

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company.除非另有說明,此報告結果僅對測試之樣品負責。本報告未經本公司書面許可,不可部分複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.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 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 exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is appearance of this document is appearance of this document is appearance. the transaction documents. This document cannot be reproduced to the fullest extent of the law.

SGS Taiwan Ltd. No. 61, Kai-Fa Road, Nanzih Export Processing Zone , Kaohsiung, Taiwan / 高雄市楠梓加工出口區開發路61號

台灣檢驗科技股份有限公司 t + 886 (07)301 2121 f + 886 (07)3010867

www.tw.sgs.com

Page: 6 of 6