

佐々木半田工業 株式会社
〒143-0003 東京都大田区京浜島2-20-3

以下、顧客によって提供された試料詳細です: 3N 錫

SGS 参照番号 : SP19-002851-SH

品番 : 3N

主な成分/材料 : 錫

試料受領日 : 2019-01-24

試験期間 : 2019-01-24 - 2019-01-30

試験項目 : 顧客依頼による選択試験項目。

試験方法 : 次頁を参照。

試験結果 : 次頁を参照。

結論 : 提出されたサンプルのカドミウム、鉛、水銀、六価クロム、PBBs、PBDEs、DBP、BBP、DEHP、DIBP の試験を行った結果、RoHS 指令 2011/65/EU 規制の付録 II の改正指令 (EU) 2015/863 による制限値未満であった。

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
代表者署名

Helen Liu

Helen Liu 劉海鵬
許可署名者



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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 unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
Testing Center - China Head Office

13th Building, No. 889 Yishan Road Xuhui District, Shanghai China 200233
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233

t E&E (86-21) 61402553 f E&E (86-21) 64953679 www.sgs.com.cn
t HL (86-21) 61402594 f HL (86-21) 61156899 e sgs.china@sgs.com

試験結果:

サンプルの記述:

番号	サンプル ID	状態
SN1	SHA19-017804.003	銀色金属
備考		

- (1) 1mg/kg = 0.0001%
- (2) MDL = 方法検出下限
- (3) ND = 未検出 (< MDL)
- (4) “-” = 未規制

RoHS 指令 2011/65/EU 付録 II 改正指令 (EU)2015/863

試験方法:

IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-1:2015, IEC 62321-6:2015 と IEC 62321-8:2017 を参照, ICP-OES, AAS, UV-Vis と GC-MS で分析する。

試験項目:	制限値	単位	MDL	003
カドミウム(Cd)	100	mg/kg	2	ND
鉛(Pb)	1000	mg/kg	2	224
水銀 (Hg)	1000	mg/kg	2	ND
六価クロム(Cr(VI)) ▼	-	μg/cm ²	0.10	ND
PBBs の合計	1000	mg/kg	-	ND
モノブロモビフェニル	-	mg/kg	5	ND
ジブロモビフェニル	-	mg/kg	5	ND
トリブロモビフェニル	-	mg/kg	5	ND
テトラブロモビフェニル	-	mg/kg	5	ND
ペンタブロモビフェニル	-	mg/kg	5	ND
ヘキサブロモビフェニル	-	mg/kg	5	ND
ヘプタブロモビフェニル	-	mg/kg	5	ND
オクタブロモビフェニル	-	mg/kg	5	ND
ノナブロモビフェニル	-	mg/kg	5	ND
デカブロモビフェニル	-	mg/kg	5	ND
PBDEs の合計	1000	mg/kg	-	ND
モノブロモジフェニルエーテル	-	mg/kg	5	ND
ジブロモジフェニルエーテル	-	mg/kg	5	ND
トリブロモジフェニルエーテル	-	mg/kg	5	ND
テトラブロモジフェニルエーテル	-	mg/kg	5	ND
ペンタブロモジフェニルエーテル	-	mg/kg	5	ND
ヘキサブロモジフェニルエーテル	-	mg/kg	5	ND
ヘプタブロモジフェニルエーテル	-	mg/kg	5	ND
オクタブロモジフェニルエーテル	-	mg/kg	5	ND



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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 unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 3rd Building, No. 889 Yishan Road Xuhui District, Shanghai China 200233 t E&E (86-21) 61402553 f E&E (86-21) 64953679 www.sgsgroup.com.cn
 中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t HL (86-21) 61402594 f HL (86-21) 61156899 e sgs.china@sgs.com

ノナブロモジフェニルエーテル	-	mg/kg	5	ND
デカブロモジフェニルエーテル	-	mg/kg	5	ND
フタル酸ジブチル (DBP)	1000	mg/kg	50	ND
フタル酸ブチルベンジル(BBP)	1000	mg/kg	50	ND
フタル酸ビス(2-エチルヘキシル)(DEHP)	1000	mg/kg	50	ND
フタル酸ジイソブチル(DIBP)	1000	mg/kg	50	ND

備考:

- (1) 制限値は RoHS 指令 2015/863 に準拠します。
IEC 62321 シリーズは EN 62321 シリーズと同様である。
http://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25
- (2) ▼ = a. Cr(VI)の濃度が $0.13 \mu\text{g}/\text{cm}^2$ 以上になる場合, Cr(VI)が検出され、陽性と判定する;
b. Cr(VI)の濃度が $ND(0.10 \mu\text{g}/\text{cm}^2)$ 以下)になる場合, Cr(VI)は検出されず、陰性と判定する;
c. Cr(VI)の濃度が $0.10 \mu\text{g}/\text{cm}^2 \sim 0.13 \mu\text{g}/\text{cm}^2$ になる場合, サンプル表面の相違により Cr(VI)の検出がされず、直接判定できなくなる可能性がある。

Cr(VI)の結果は試料の保管条件と製造日とは関係なく、試験当時に於ける試料の状態を表します。



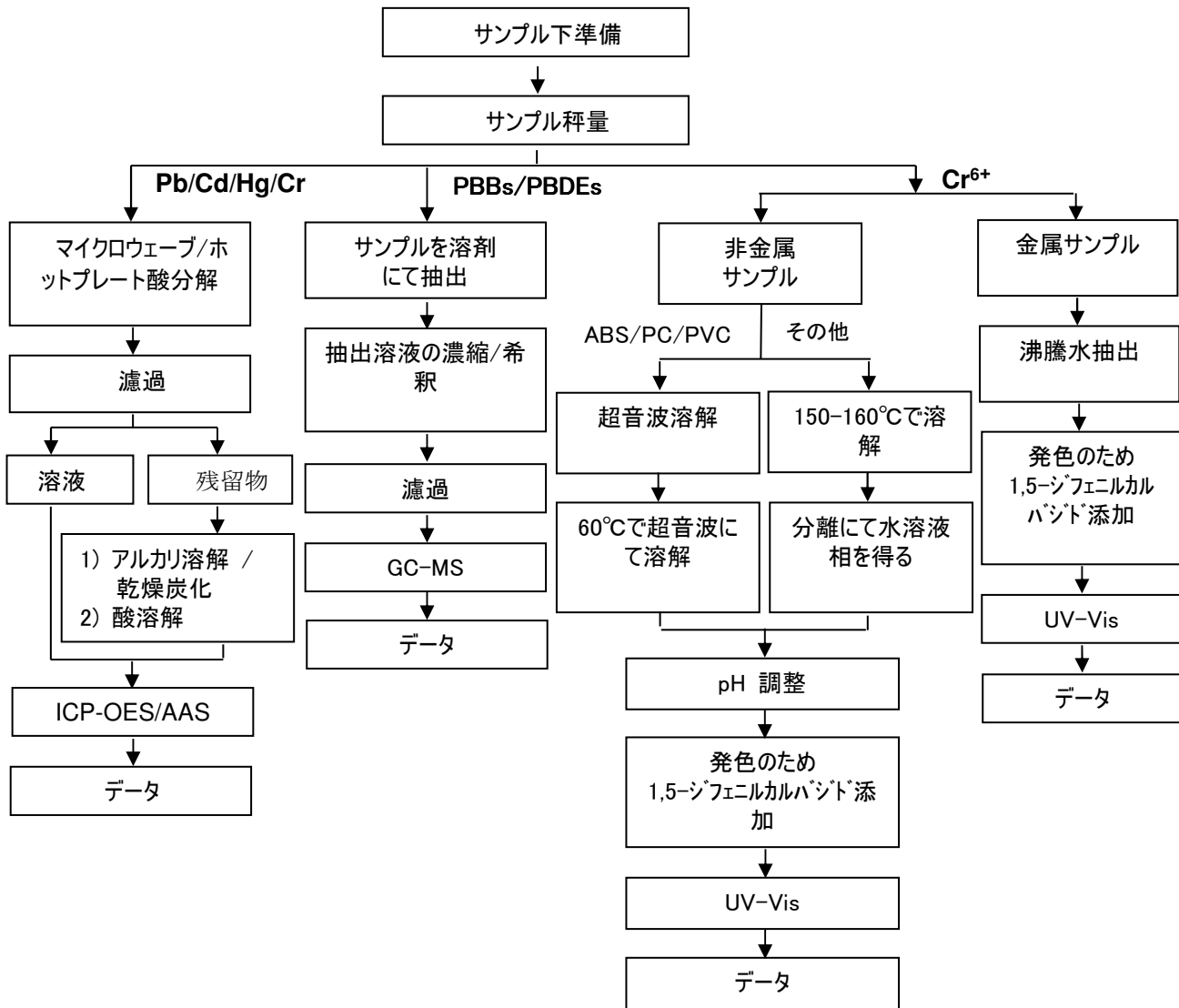
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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 unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

付属書

Pb/Cd/Hg/Cr⁶⁺/PBBs/PBDEs テストフローチャート

1) これらのサンプルは、必要条件として下記フローチャートに従い、完全溶解する。
(Cr⁶⁺ and PBBs/PBDEs テスト方法除外)

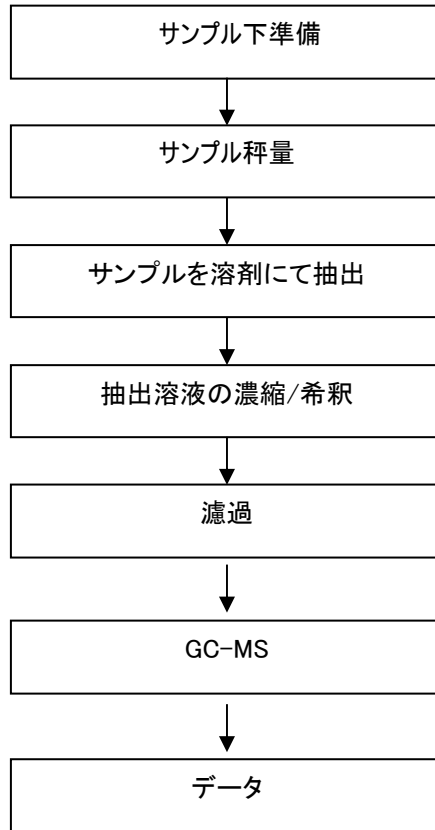


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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 unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 3rd Building, No.889 Yishan Road Xuhui District, Shanghai China 200233 tE&E (86-21) 61402553 fE&E (86-21)64953679 www.sgs.com.cn
 中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 tHL (86-21) 61402594 fHL (86-21) 61156899 e sgs.china@sgs.com

付属書

フタル酸エステルテストフローチャート



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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 unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

サンプル写真:



この写真は SGS の正規版レポートのみに使用されます。

*** 以上 ***



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. 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 unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com