

水口化成株式会社

〒 935-0031 富山県氷見市柳田12-1

申込者が提出いたしました試料 ( サンプル ) は、以下の通りです :

製品名 ( 試料名 ) : ポリエチレンフィルム, ポリエチレン

SGS 注文番号 : 10598081  
サンプルID : SGA25-0000031-0001  
受領日(サンプル) : 17-Jan-2025  
測定期間 : 17-Jan-2025 to 24-Jan-2025

テストが要求されました : クライアントから要求されたテストを選択しました。  
測定条件 : 次のページをご参照下さい。  
測定結果 : 次のページをご参照下さい。

結論 : 当該サンプルのカドミウム、鉛、水銀、六価クロム、PBBs、PBDEs、DBP、BBP、DEHP、DIBPの測定結果は、RoHS 2011/65/EU Annex II とその更新の(EU) RoHS 指令2015/863の基準値を満たしています。

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



Tan Si Jing (Ms.)

Senior Chemist, Multi-Lab

FOLDER NUMBER : SGA25-0000031

This document is issued by the Company under its General Conditions of Service accessible at <https://www.sgs.com/en/terms-and-conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com/en/terms-and-conditions/terms-e-document>. 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. 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 and such sample(s) are retained for 30 days only. This document cannot be reproduced except in full, without prior approval of the Company.

測定結果 :

サンプル説明 : 半透明フィルム

測定項目	単位	測定方法	結果	MDL	規制値
鉛(Pb)	mg/kg	IEC 62321-5: 2013参照、ICP-OESで測定.	ND	2	<1000
水銀 (Hg)	mg/kg	IEC 62321-4:2013+AMD1:2017参照、 ICP-OESで測定.	ND	2	<1000
カドミウム(Cd)	mg/kg	IEC 62321-5: 2013参照、ICP-OESで測定.	ND	2	<100
六価クロム (Cr(VI))	mg/kg	IEC 62321-7-2: 2017参照、UV-VISで測定.	ND	8	<1000
PBBの合計	mg/kg	IEC 62321-6: 2015参照、GC/MSで測定.	ND	-	<1000
モノブロモビフェニル	mg/kg	IEC 62321-6: 2015参照、GC/MSで測定.	ND	5	-
ジブロモビフェニル	mg/kg	IEC 62321-6: 2015参照、GC/MSで測定.	ND	5	-
トリブロモビフェニル	mg/kg	IEC 62321-6: 2015参照、GC/MSで測定.	ND	5	-
テトラブロモビフェニル	mg/kg	IEC 62321-6: 2015参照、GC/MSで測定.	ND	5	-
ペンタブロモビフェニル	mg/kg	IEC 62321-6: 2015参照、GC/MSで測定.	ND	5	-
ヘキサブロモビフェニル	mg/kg	IEC 62321-6: 2015参照、GC/MSで測定.	ND	5	-
ヘプタブロモビフェニル	mg/kg	IEC 62321-6: 2015参照、GC/MSで測定.	ND	5	-
オクタブロモビフェニル	mg/kg	IEC 62321-6: 2015参照、GC/MSで測定.	ND	5	-
ノナブロモビフェニル	mg/kg	IEC 62321-6: 2015参照、GC/MSで測定.	ND	5	-
デカブロモビフェニル	mg/kg	IEC 62321-6: 2015参照、GC/MSで測定.	ND	5	-
PBDEの合計	mg/kg	IEC 62321-6: 2015参照、GC/MSで測定.	ND	-	<1000

FOLDER NUMBER : SGA25-0000031

This document is issued by the Company under its General Conditions of Service accessible at <https://www.sgs.com/en/terms-and-conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com/en/terms-and-conditions/terms-e-document>. 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. 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 and such sample(s) are retained for 30 days only. This document cannot be reproduced except in full, without prior approval of the Company.

測定項目	単位	測定方法	結果	MDL	規制値
モノブロモジフェニルエーテル	mg/kg	IEC 62321-6: 2015参照、GC/MSで測定.	ND	5	-
ジブロモジフェニルエーテル	mg/kg	IEC 62321-6: 2015参照、GC/MSで測定.	ND	5	-
トリブロモジフェニルエーテル	mg/kg	IEC 62321-6: 2015参照、GC/MSで測定.	ND	5	-
テトラブロモジフェニルエーテル	mg/kg	IEC 62321-6: 2015参照、GC/MSで測定.	ND	5	-
ペンタブロモジフェニルエーテル	mg/kg	IEC 62321-6: 2015参照、GC/MSで測定.	ND	5	-
ヘキサブロモジフェニルエーテル	mg/kg	IEC 62321-6: 2015参照、GC/MSで測定.	ND	5	-
ヘプタブロモジフェニルエーテル	mg/kg	IEC 62321-6: 2015参照、GC/MSで測定.	ND	5	-
オクタブロモジフェニルエーテル	mg/kg	IEC 62321-6: 2015参照、GC/MSで測定.	ND	5	-
ノナブロモジフェニルエーテル	mg/kg	IEC 62321-6: 2015参照、GC/MSで測定.	ND	5	-
デカブロモジフェニルエーテル	mg/kg	IEC 62321-6: 2015参照、GC/MSで測定.	ND	5	-
フタル酸ビス(2-エチルヘキシル)(DEHP)	mg/kg	IEC 62321-8: 2017 参照、GC/MSで測定.	ND	50	<1000
フタル酸ブチルベンジル(BBP)	mg/kg	IEC 62321-8: 2017 参照、GC/MSで測定.	ND	50	<1000
フタル酸ジブチル (DBP)	mg/kg	IEC 62321-8: 2017 参照、GC/MSで測定.	ND	50	<1000
フタル酸ジイソブチル(DIBP)	mg/kg	IEC 62321-8: 2017 参照、GC/MSで測定.	ND	50	<1000

備考:

- (1) mg/kg = ppm ; 0.1wt% = 1000ppm
- (2) ND = Not Detected 検出せず (<方法検出下限値)
- (3) MDL = Method Detection Limit (方法検出下限値)
- (4) "-" = Not regulated (規制の対象外)
- (5) 適合性結果は、試験結果と制限値を比較して判定しました。

FOLDER NUMBER : SGA25-0000031

This document is issued by the Company under its General Conditions of Service accessible at <https://www.sgs.com/en/terms-and-conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com/en/terms-and-conditions/terms-e-document>. 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. 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 and such sample(s) are retained for 30 days only. This document cannot be reproduced except in full, without prior approval of the Company.

## 筆記:

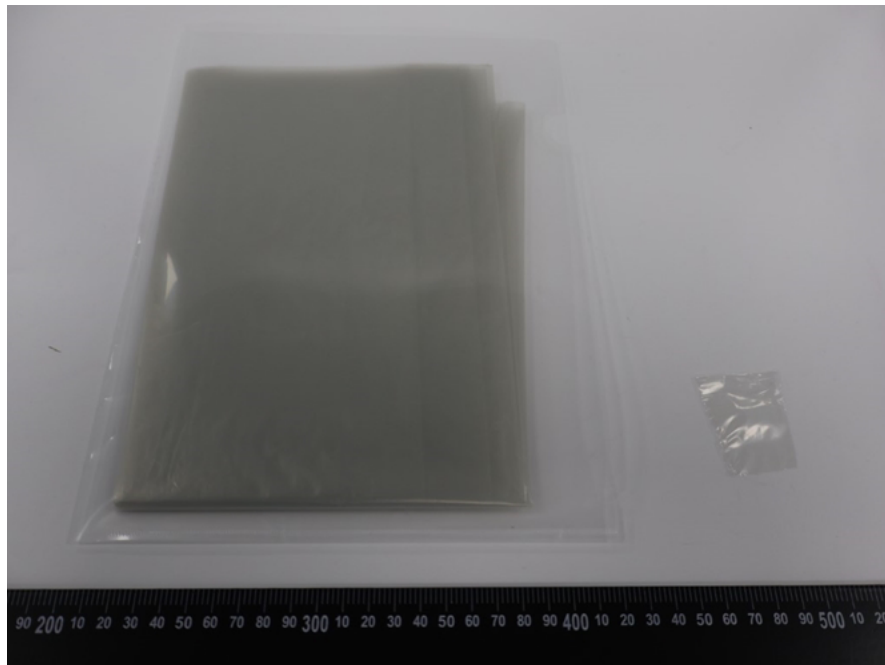
- (1) (1)制限値はRoHS指令(EU)2015/863によります。
- (2) IEC 62321シリーズはEN 62321シリーズと同様である。
- (3) 2021年7月22日より、DEHP, BBP, DBP と DIBPの制限要求を体外医療機器、監視モニター、工業用観測及びコントロールモニターなどの医療機器にも適用することになる。

特に明記されていない限り、適合性報告の決定規則はバイナリストatementに基づいていますILAC-G8:09/2019 に記載されている単純な受け入れルール(w = 0)の場合。

FOLDER NUMBER : SGA25-0000031

This document is issued by the Company under its General Conditions of Service accessible at <https://www.sgs.com/en/terms-and-conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com/en/terms-and-conditions/terms-e-document>. 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. 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 and such sample(s) are retained for 30 days only. This document cannot be reproduced except in full, without prior approval of the Company.

サンプル写真:



**SGA25-000031-0001**

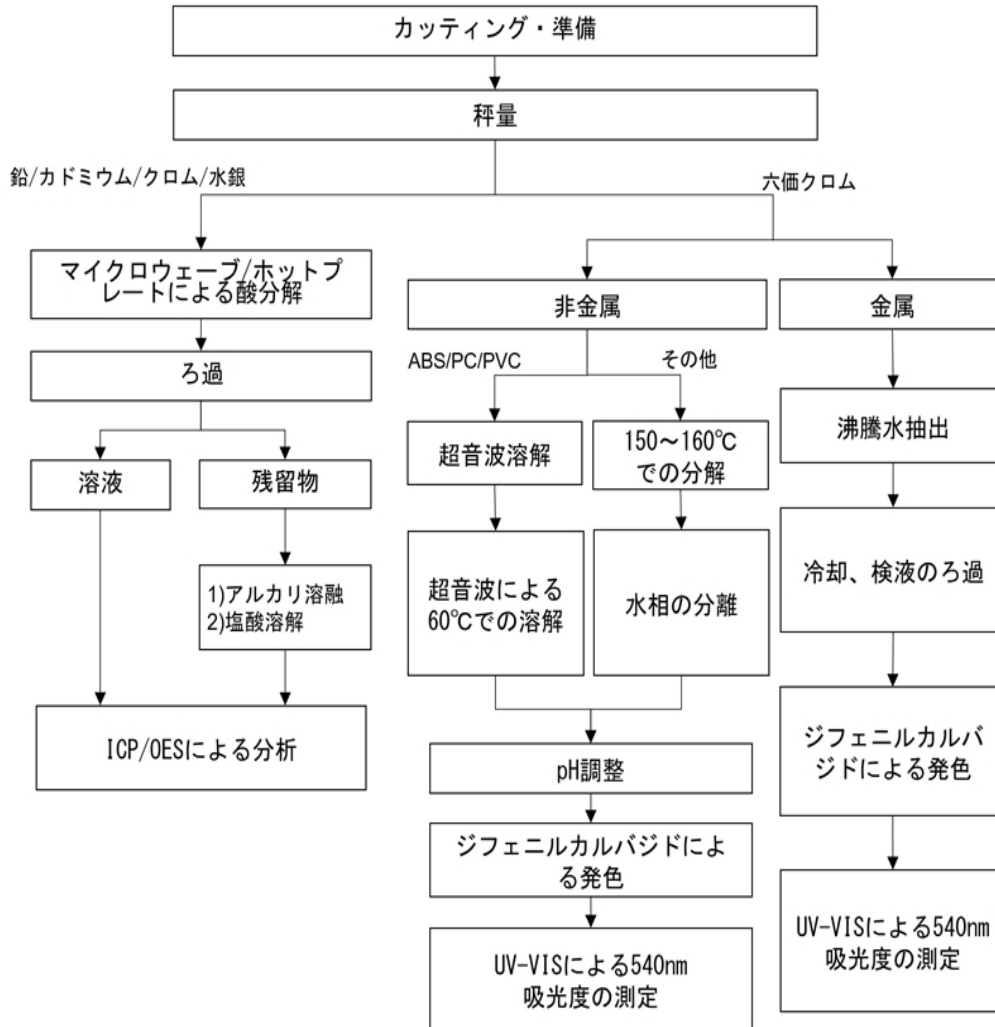
SGS authenticate the photo on original report only  
本写真は報告書原紙でのみ有効で、複写禁止です。

FOLDER NUMBER : SGA25-000031

This document is issued by the Company under its General Conditions of Service accessible at <https://www.sgs.com/en/terms-and-conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com/en/terms-and-conditions/terms-e-document>. 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. 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 and such sample(s) are retained for 30 days only. This document cannot be reproduced except in full, without prior approval of the Company.

## 分析フローチャート - 重金属

このサンプルは以下のフローチャートで示す前処理によって完全溶解しました。  
(六価クロム分析は除く)

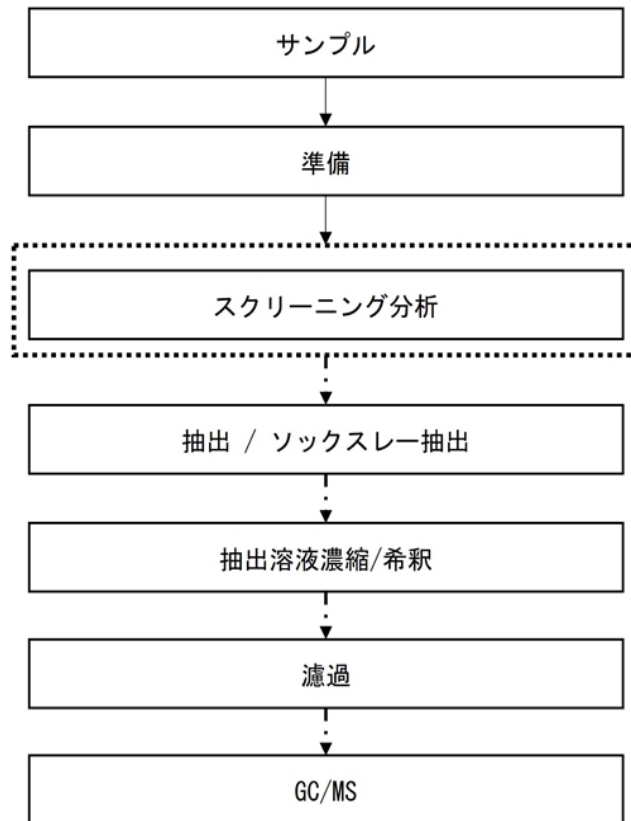


FOLDER NUMBER : SGA25-0000031

This document is issued by the Company under its General Conditions of Service accessible at <https://www.sgs.com/en/terms-and-conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com/en/terms-and-conditions/terms-e-document>. 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. 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 and such sample(s) are retained for 30 days only. This document cannot be reproduced except in full, without prior approval of the Company.

## PBBs / PBDEs 分析フローチャート

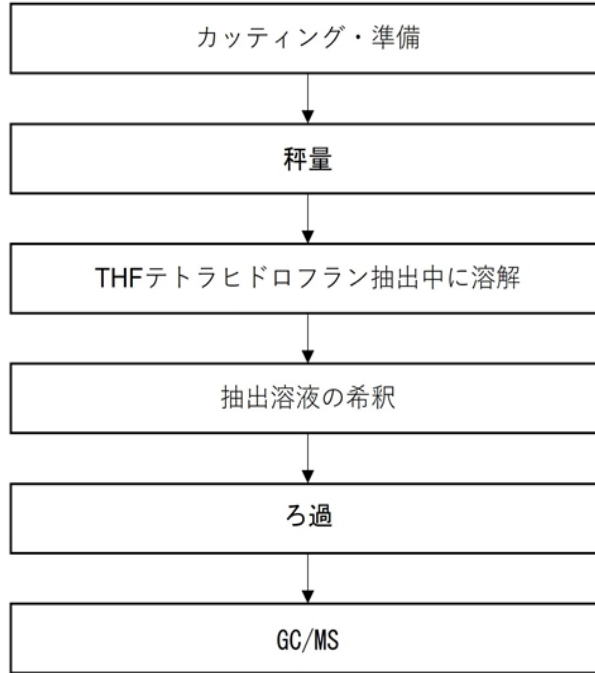
初回の試験手順      ———→  
 スクリーニング手順      ······→  
 確認手順                  - - - ->



FOLDER NUMBER : SGA25-0000031

This document is issued by the Company under its General Conditions of Service accessible at <https://www.sgs.com/en/terms-and-conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com/en/terms-and-conditions/terms-e-document>. 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. 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 and such sample(s) are retained for 30 days only. This document cannot be reproduced except in full, without prior approval of the Company.

フタル酸エステル類のフローチャート  
(IEC 62321)



\*\*\*以上\*\*\*

FOLDER NUMBER : SGA25-0000031

This document is issued by the Company under its General Conditions of Service accessible at <https://www.sgs.com/en/terms-and-conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com/en/terms-and-conditions/terms-e-document>. 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. 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 and such sample(s) are retained for 30 days only. This document cannot be reproduced except in full, without prior approval of the Company.