

Test Report

No. CANEC2207557806

Date: 09 Jun 2022

Page 1 of 12

Client Name : GUANG DONG SQ UV CURING MATERIALS CO.,LTD,

Client Address : 8 DEHUA ROAD, INDUSTRIAL PARK, CHENGDONG NEIGHBORHOOD COMMITTEE, DECHENG STREET, DEQING COUNTY, GUANGDONG PROVINCE

Sample Name : Liquid Photo Imageable Solder Mask Material

Model No. : PSR-200

Client Ref. Info. : SEE REMARK

Colour : Green material

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

This report is to supersede test report CANEC2207557803

SGS Job No. : CP22-020429 - GZ

Date of Sample Received : 22 Apr 2022

Testing Period : 22 Apr 2022 - 06 May 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).

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Zmguan

Zm guan
Approved Signatory

scan to see the report



2FCE78D3



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch Testing Center Chemical Laboratory.

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

198 Kazhu Road, Sciencetech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663

中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgs.com

t (86-20) 82155555 sgs.china@sgs.com

Test Report

No. CANEC2207557806

Date: 09 Jun 2022

Page 2 of 12

Test Result(s) :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN22-075578.001	Green material

Remarks :

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

Elementary Analysis

Test Method : SGS In-house method (GZTC CHEM-TOP-004-01, with reference to EPA 3052:1996), analysis was performed by ICP-OES.

<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Arsenic (As)	mg/kg	10	ND

Elementary Analysis

Test Method : SGS In-house method (GZTC CHEM-TOP-004-01, with reference to EPA 3052:1996), analysis was performed by ICP-OES.

<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Antimony (Sb)	mg/kg	10	ND

Phthalate

Test Method : With reference to EN14372: 2004. Analysis was performed by GC-MS.



Test Report

No. CANEC2207557806

Date: 09 Jun 2022

Page 3 of 12

Test Item(s)	CAS NO.	Unit	MDL	001
Dibutyl Phthalate (DBP)	84-74-2	%(w/w)	0.003	ND
Benzylbutyl Phthalate (BBP)	85-68-7	%(w/w)	0.003	ND
Bis(2-ethylhexyl) Phthalate (DEHP)	117-81-7	%(w/w)	0.003	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	%(w/w)	0.010	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	%(w/w)	0.003	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 / 68515-49-1	%(w/w)	0.010	ND
Dimethyl Phthalate (DMP)	131-11-3	%(w/w)	0.003	ND
Diethyl Phthalate (DEP)	84-66-2	%(w/w)	0.003	ND
Diisobutyl Phthalate (DIBP)	84-69-5	%(w/w)	0.003	ND
Dinonyl Phthalate (DNP)	84-76-4	%(w/w)	0.003	ND
Diisooctyl Phthalate (DIOP)	27554-26-3	%(w/w)	0.010	ND
Dipropyl Phthalate (DPrP)	131-16-8	%(w/w)	0.003	ND
Dicyclohexyl Phthalate (DCHP)	84-61-7	%(w/w)	0.003	ND
Dibenzyl Phthalate (DBzP)	523-31-9	%(w/w)	0.003	ND
Dipentyl Phthalates (DPENP/DnPP)	131-18-0	%(w/w)	0.003	ND
Diphenyl Phthalate (DPhP)	84-62-8	%(w/w)	0.003	ND
Di-n-hexyl Phthalate (DnHP)	84-75-3	%(w/w)	0.003	ND
Bis(2-methoxyethyl) Phthalate (DMEP)	117-82-8	%(w/w)	0.003	ND
Diisopentyl Phthalate (DIPP)	605-50-5	%(w/w)	0.003	ND
n-pentyl Isopentyl Phthalate (nPIPP)	776297-69-9	%(w/w)	0.003	ND
Diallyl Phthalate (DAP)	131-17-9	%(w/w)	0.003	ND
n-decyl, n-octyl Phthalate (nDnOP)	119-07-3	%(w/w)	0.003	ND
Di-n-decyl Phthalate (DnDP)	84-77-5	%(w/w)	0.003	ND
1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear (DPP)	84777-06-0	%(w/w)	0.010	ND

Notes :

- (1) DBP, BBP, DEHP, DIBP Reference information: Entry 51 of Regulation (EU) 2018/2005 amending Annex XVII of REACH Regulation (EC) No 1907/2006:
- Shall not be used as substances or in mixtures, individually or in any combination of DBP, BBP, DEHP & DIBP, in concentrations equal to or greater than 0.1 % by weight of the plasticised material, in toys and childcare articles.
 - Shall not be placed on the market in toys or childcare articles, individually or in any combination of DBP, BBP, DEHP, in concentrations equal to or greater than 0.1 % by weight of the plasticised material. In addition, DIBP shall not be placed on the market after 7 July 2020 in toys or childcare articles, individually or in any combination of DBP, BBP, DEHP & DIBP, in concentrations equal to or greater than 0.1 % by weight of the plasticised material.
 - shall not be placed on the market after 7 July 2020 in articles, individually or in any combination of



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

DBP, BBP, DEHP & DIBP, in concentrations equal to or greater than 0.1 % by weight of the plasticised material in the articles.

Please refer to Regulation (EU) 2018/2005 to get more detail information

(2) DINP, DNOP, DIDP Reference information: Entry 52 of Regulation (EU) 2015/326 amending Annex XVII of REACH Regulation (EC) No 1907/2006.

i) Shall not be used as substances or in mixtures, in concentrations greater than 0.1 % by weight of the plasticised material, in toys and childcare articles which can be placed in the mouth by children.

ii) Such toys and childcare articles containing these phthalates in a concentration greater than 0.1 % by weight of the plasticised material shall not be placed on the market.

Please refer to Regulation (EU) 2015/326 to get more detail information

Hexabromocyclododecane (HBCDD)

Test Method : SGS in house method (GZTC CHEM-TOP-073, with reference to EPA 3550C:2007), analysis was performed by GC-MS.

Test Item(s)	CAS NO.	Unit	MDL	001
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α -HBCDD, β -HBCDD, γ -HBCDD)	25637-99-4	mg/kg	10	ND
	3194-55-6			
	134237-50-6			
	134237-51-7			
	134237-52-8			

Perfluorooctanoic acid (PFOA) and its salts & Perfluorooctane sulfonates (PFOS) and its derivatives

Test Method : With reference to CEN/TS15968:2010, analysis was performed by LC-MS or LC-MS/MS.

Test Item(s)	CAS NO.	Unit	MDL	001
Perfluorooctanoic acid (PFOA) and its salts+	335-67-1	mg/kg	0.010	ND
Perfluorooctane sulfonates (PFOS) ^	1763-23-1	mg/kg	0.010	ND
Perfluorooctane Sulfonamide (PFOSA)	754-91-6	mg/kg	0.010	ND
N-methylperfluoro-1-octanesulfonamide(MeFOSA)	31506-32-8	mg/kg	0.010	ND
N-ethylperfluoro-1-octanesulfonamide (EtFOSA)	4151-50-2	mg/kg	0.010	ND
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol(MeFOSE)	24448-09-7	mg/kg	0.010	ND
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol(EtFOSE)	1691-99-2	mg/kg	0.010	ND
Perfluorooctane sulfonates (PFOS) and its derivatives	-	mg/kg	-	ND

Notes :

(1) + PFOA and its salts including PFOA-Na (CAS No.: 335-95-5), PFOA-K (CAS No.: 2395-00-8), PFOA-Ag (CAS No.: 335-93-3), PFOA-F (CAS No.: 335-66-0) and APFO (CAS No.: 3825-26-1);



(2) ^ PFOS including PFOS-K (CAS No.: 2795-39-3), PFOS-Li (CAS No.: 29457-72-5), PFOS-NH₄ (CAS No.: 29081-56-9), PFOS-NH(OH)₂ (CAS No.: 70225-14-8), PFOS-N(C₂H₅)₄ (CAS No.: 56773-42-3), PFOS-DDA(CAS No.:251099-16-8) and POSF (CAS No.: 307-35-7).

This report updates Client Ref. Info..

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.



REMARK:

G01, G02, G03, G04, G05, G06, G07, G08, G09, G10, G11, G12, G13, G14, G15, G16, G17, G18, G19, G20, G21, G22, G23, G24, G25, G26, G27, G28, G29, G30, G31, G32, G33, G34, G35, G36, G37, G38, G39, G40, G41, G42, G43, G44, G45, G46, G47, G48, G49, G50, G51, G52, G53, G54, G55, G56, G57, G58, G59, G60, G61, G62, G63, G64, G65, G66, G67, G68, G69, G70, G71, G72, G73, G74, G75, G76, G77, G78, G79, G80, G81, G82, G83, G84, G85, G86, G87, G88, G89, G90, G91, G92, G93, G94, G95, G96, G97, G98, G99, G01N, G02N, G03N, G04N, G05N, G06N, G07N, G08N, G09N, G10N, G11N, G12N, G13N, G14N, G15N, G16N, G17N, G18N, G19N, G20, G21N, G22N, G23N, G24N, G25N, G26N, G27N, G28N, G29N, G30N, G31N, G32N, G33N, G34N, G35N, G36N, G37N, G38N, G39N, G40N, G41N, G42N, G43N, G44N, G45N, G46N, G47N, G48N, G49N, G50N, G51N, G52, G53N, G54N, G55N, G56N, G57N, G58N, G59N, G60N, G61N, G62N, G63N, G64N, G65N, G66N, G67N, G68N, G69N, G70N, G71N, G72N, G73N, G74N, G75N, G76N, G77N, G78N, G79N, G80N, G81N, G82N, G83N, G84N, G85N, G86N, G87N, G88N, G89N, G90N, G91N, G92N, G93N, G94N, G95N, G96N, G97N, G98N, G99N, G01M, G02M, G03M, G21M, G22M, G23M, G41M, G42M, G43M, G44M, G44M, G45M, G46M, G47M, G48M, G49M, G50M, G51M, G52M, G53M, G54M, G55M, G56M, G57M, G58M, G59M, G60M, G61M, G62M, G63M, G64M, G65M, G66M, G67M, G68M, G69M, G70M, G71M, G72M, G73M, G74M, G75M, G76M, G77M, G78M, G79M, G80M, G81M, G82M, G83M, G84M, G85M, G86M, G87M, G88M, G89M, G90M, G91M, G92M, G93M, G94M, G95M, G96M, G97M, G98M, G99M, G01MN, G02MN, G03MN, G04MN, G05MN, G06MN, G07MN, G08MN, G09MN, G10MN, G11MN, G12MN, G13MN, G14MN, G15MN, G16MN, G17MN, G18MN, G19MN, G20MN, G21MN, G22MN, G23MN, G24MN, G25MN, G26MN, G27MN, G28MN, G29MN, G30MN, G31MN, G32MN, G33MN, G34MN, G35MN, G36MN, G37MN, G38MN, G39MN, G40MN, G41MN, G42MN, G43MN, G44MN, G45MN, G46MN, G47MN, G48MN, G49MN, G50MN, G51MN, G52MN, G53MN, G54MN, G55MN, G56MN, G57MN, G58MN, G59MN, G60MN, G61MN, G62MN, G63MN, G64MN, G65MN, G66MN, G67MN, G68MN, G69MN, G70MN, G71MN, G72MN, G73MN, G74MN, G75MN, G76MN, G77MN, G78MN, G79MN, G80MN, G81MN, G82MN, G83MN, G84MN, G85MN, G86MN, G87MN, G88MN, G89MN, G90MN, G91MN, G92MN, G93MN, G94MN, G95MN, G96MN, G97MN, G98MN, G99MN, SG01, SG02, SG03, SG04, SG05, SG06, SG07, SG08, SG09, SG10, SG11, SG12, SG13, SG14, SG15, SG16, SG17, SG18, SG19, SG20, SG21, SG22, SG23, SG24, SG25, SG26, SG27, SG28, SG29, SG30, SG31, SG32, SG33, SG34, SG35, SG36, SG37, SG38, SG39, SG40, SG41, SG42, SG43, SG44, SG45, SG46, SG47, SG48, SG49, SG50, SG51, SG52, SG53, SG54, SG55, SG56, SG57, SG58, SG59, SG60, SG61, SG62, SG63, SG64, SG65, SG66, SG67, SG68, SG69, SG70, SG71, SG72, SG73, SG74, SG75, SG76, SG77, SG78, SG79, SG80, SG81, SG82, SG83, SG84, SG85, SG86, SG87, SG88, SG89, SG90, SG91, SG92, SG93, SG94, SG95, SG96, SG97, SG98, SG99, SG01N, SG02N, SG03N, SG04N, SG05N, SG06N, SG07N, SG08N, SG09N, SG10N, SG11N, SG12N, SG13N, SG14N, SG15N, SG16N, SG17N, SG18N, SG19N, SG20N, SG21N, SG22N, SG23N, SG24N, SG25N, SG26N, SG27N, SG28N, SG29N, SG30N, SG31N, SG32N, SG33N, SG34N, SG35N, SG36N, SG37N, SG38N, SG39N, SG40N, SG41N, SG42N, SG43N, SG44N, SG45N, SG46N, SG47N, SG48N, SG49N, SG50N, SG51N, SG52N, SG53N, SG54N, SG55N, SG56N, SG57N, SG58N, SG59N, SG60N, SG61N, SG62N, SG63N, SG64N, SG65N, SG66N, SG67N, SG68N, SG69N, SG70N, SG71N, SG72N, SG73N, SG74N, SG75N, SG76N, SG77N, SG78N, SG79N, SG80N, SG81N, SG82N, SG83N, SG84N, SG85N, SG86N, SG87N, SG88N, SG89N, SG90N, SG91N, SG92N, SG93N, SG94N, SG95N, SG96N, SG97N, SG98N, SG99N, BK01, BK02, BK03, BK04, BK05, BK06, BK07, BK08, BK09, BK10, BK11, BK12, BK13, BK14, BK15, BK16, BK17,



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.

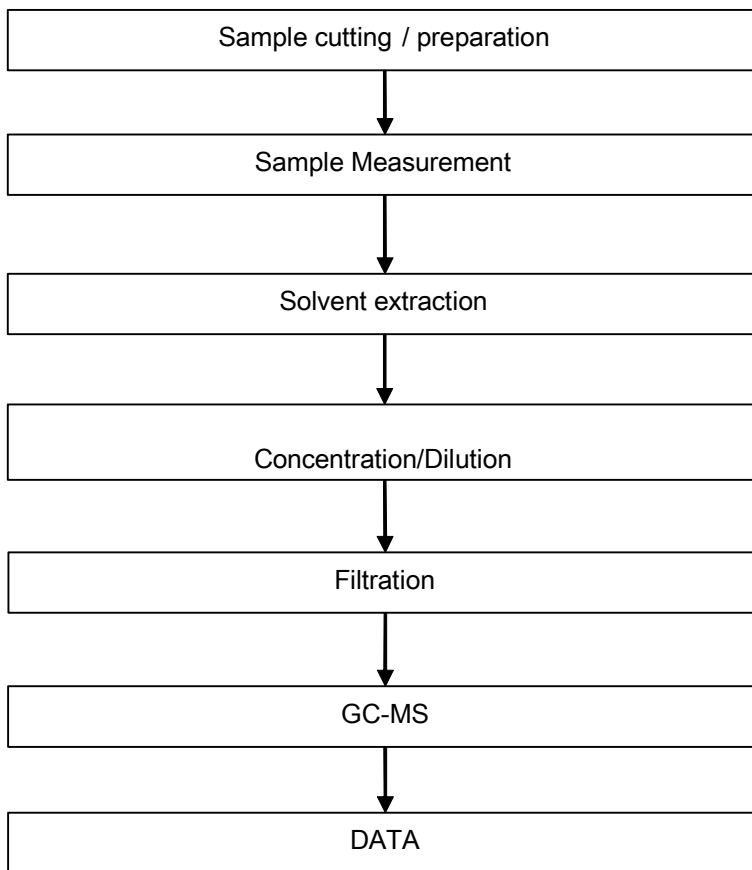
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

BK18, BK19, BK20, BK21, BK22, BK23, BK24, BK25, BK26, BK27, BK28, BK29, BK30,
BK01N, BK02N, BK03N, BK04N, BK05N, BK06N, BK07N, BK08N, BK09N, BK10N, BK11N, BK12N, BK13N,
BK14N, BK15N, BK16N, BK17N, BK18N, BK19N, BK20N, BK21N, BK22N, BK23N, BK24N, BK25N, BK26N,
BK27N, BK28N, BK29N, BK30N,
BK01M, BK02M, BK03M, BK04M, BK05M, BK06M, BK07M, BK08M, BK09M, BK10M, BK11M, BK12M, BK13M,
BK14M, BK15M, BK16M, BK17M, BK18M, BK19M, BK20M, BK21M, BK22M, BK23M, BK24M, BK25M, BK26M,
BK27M, BK28M, BK29M, BK30M,
BK01MN, BK02MN, BK03MN, BK04MN, BK05MN, BK06MN, BK07MN, BK08MN, BK09MN, BK10MN, BK11MN,
BK12MN, BK13MN, BK14MN, BK15MN, BK16MN, BK17MN, BK18MN, BK19MN, BK20MN, BK21MN, BK22MN,
BK23MN, BK24MN, BK25MN, BK26MN, BK27MN, BK28MN, BK29MN, BK30MN,
SBK07, SBK08, SBK09, SBK10, SBK11, SBK12, SBK13, SBK14, SBK15, SBK16, SBK17, SBK18, SBK19,
SBK20, SBK21, SBK22, SBK23, SBK24, SBK25, SBK26, SBK27, SBK28, SBK29, SBK30,
SBK01N, SBK02N, SBK03N, SBK04N, SBK05N, SBK06N, SBK07N, SBK08N, SBK09N, SBK10N, SBK11N,
SBK12N, SBK13N, SBK14N, SBK15N, SBK16N, SBK17N, SBK18N, SBK19N, SBK20N, SBK21N, SBK22N,
SBK23N, SBK24N, SBK25N, SBK26N, SBK27N, SBK28N, SBK29N, SBK30N,
Y01, Y02, Y03, Y04, Y05, Y01M, Y02M, Y03M, SY11, SY12, SY13, SY14, SY15, SY11M, SY12M, SY13M, Y01N,
Y02N, Y03N, Y04N, Y05N, Y01MN, Y02MN, Y03MN, SY11N, SY12N, SY13N, SY14N, SY15N, SY11MN,
SY12MN, SY13MN,
BL01, BL02, BL03, BL04, BL05, BL01M, BL02M, BL03M, SBL11, SBL12, SBL13, SBL14, SBL15, SBL11M,
SBL12M, SBL13M, BL01N, BL02N, BL03N, BL04N, BL05N, BL01MN, BL02MN, BL03MN, SBL11N, SBL12N,
SBL13N, SBL14N, SBL15N, SBL11MN, SBL12MN, SBL13MN,
R01, R02, R03, R04, R05, R01M, R02M, R03M, SR11, SR12, SR13, SR14, SR15, SR11M, SR12M, SR13M,
R01N, R02N, R03N, R04N, R05N, R01MN, R02MN, R03MN, SR11N, SR12N, SR13N, SR14N, SR15N, SR11MN,
SR12MN, SR13MN,
V01, V02, V03, V04, V05, V06, V07, V08, V09, V11N, V12N, V13N, V14N, V15N, V16N, V17N, V18N, V19N



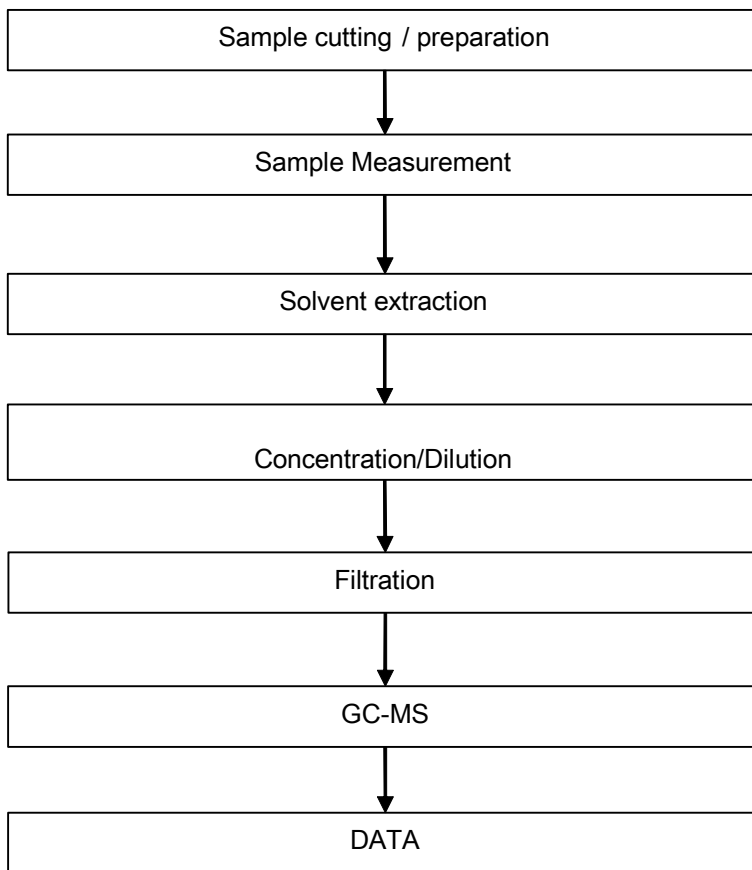
ATTACHMENTS

Phthalates Testing Flow Chart



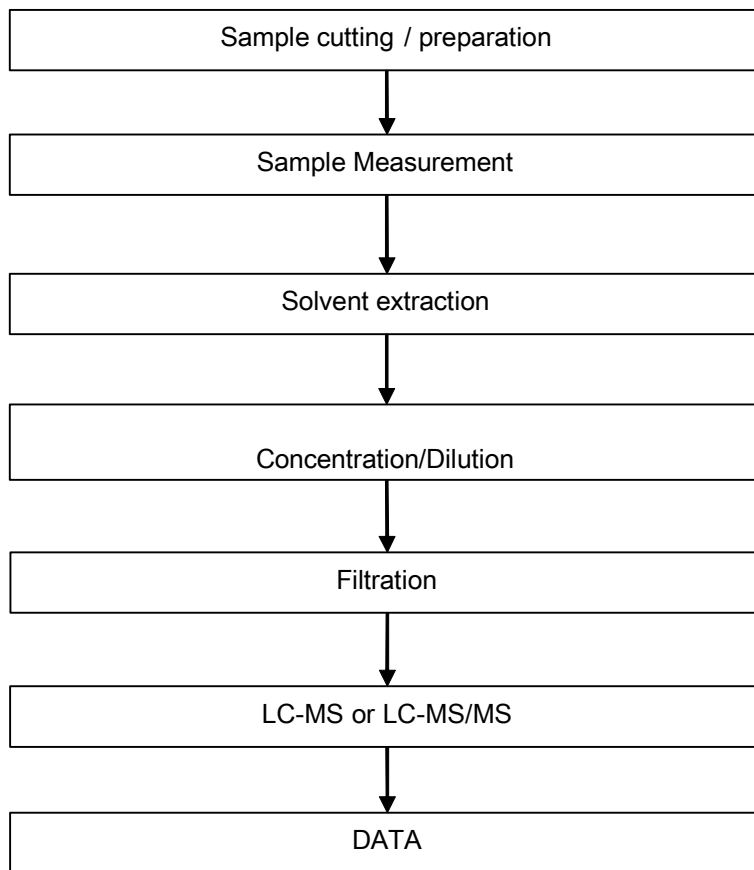
ATTACHMENTS

HBCDD Testing Flow Chart



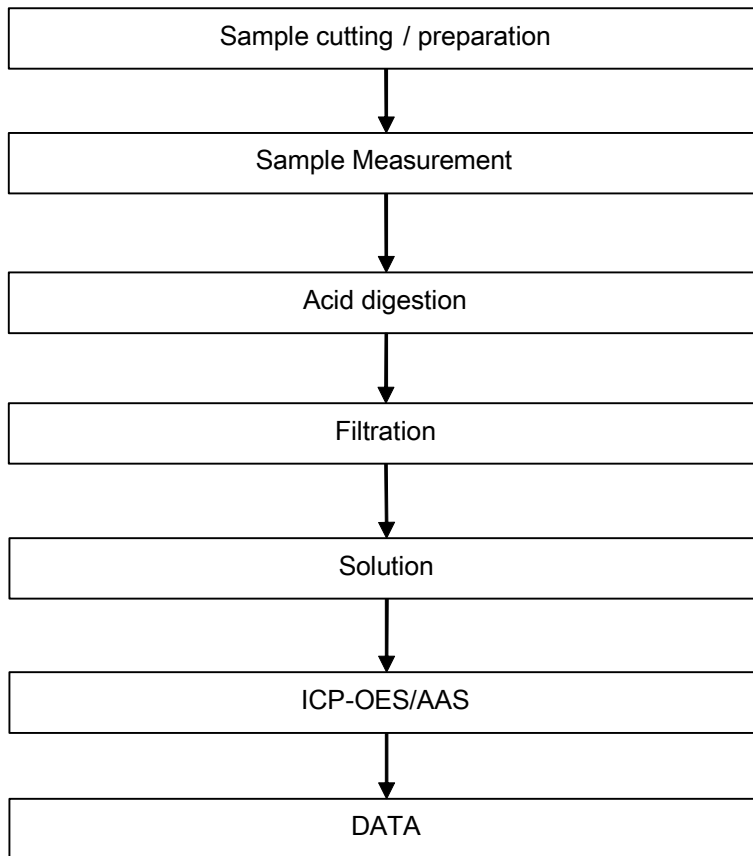
ATTACHMENTS

PFOA / PFOS Testing Flow Chart



ATTACHMENTS

Elementary Testing Flow Chart



Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

