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Preliminary Report

No. CANEC1818520405

Date: 14 Sep 2018

Page 1 of 7

SHENZHEN SOVIFOR SCIENCE & TECHNOLOGY DEVELOPMENT CO.,LTD

DONGGUAN SOVIFOR CHEMICAL SCIENCE & TECHNOLOGY CO., LTD

NO.302, 20 BLOCK,XINWEI GUANGMING COMMUNITY,GUANGMING STREET,GUANGMING
ARE,SHENZHEN CITY

The following sample(s) was/were submitted and identified on behalf of the clients as : USED FOR CORILON S
SERIES NON STICK COATING

SGS Job No. : CP18-049947 - SZ

Model No. : S18635

Client Ref. Info. : See remark

Date of Sample Received : 07 Sep 2018

Testing Period : 07 Sep 2018 - 13 Sep 2018

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

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

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

Conclusion : Based on the performed tests on submitted sample(s), the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP) , Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) , and Diisobutyl phthalate (DIBP) 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 Co., Ltd. Guangzhou Branch



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

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Page 2 of 7

Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN18-185204.003	Black material

Remarks :

- (1) 1 mg/kg = 1 ppm = 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+A1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017 , IEC 62321-6:2015 and IEC 62321-8:2017, analyzed by ICP-OES , UV-Vis and GC-MS .

Test Item(s)	Limit	Unit	MDL	003
Cadmium (Cd)	100	mg/kg	2	ND
Lead (Pb)	1,000	mg/kg	2	ND
Mercury (Hg)	1,000	mg/kg	2	ND
Hexavalent Chromium (CrVI)	1,000	mg/kg	8	ND
Sum of PBBs	1,000	mg/kg	-	ND
Monobromobiphenyl	-	mg/kg	5	ND
Dibromobiphenyl	-	mg/kg	5	ND
Tribromobiphenyl	-	mg/kg	5	ND
Tetrabromobiphenyl	-	mg/kg	5	ND
Pentabromobiphenyl	-	mg/kg	5	ND
Hexabromobiphenyl	-	mg/kg	5	ND
Heptabromobiphenyl	-	mg/kg	5	ND
Octabromobiphenyl	-	mg/kg	5	ND
Nonabromobiphenyl	-	mg/kg	5	ND
Decabromobiphenyl	-	mg/kg	5	ND
Sum of PBDEs	1,000	mg/kg	-	ND
Monobromodiphenyl ether	-	mg/kg	5	ND
Dibromodiphenyl ether	-	mg/kg	5	ND
Tribromodiphenyl ether	-	mg/kg	5	ND
Tetrabromodiphenyl ether	-	mg/kg	5	ND
Pentabromodiphenyl ether	-	mg/kg	5	ND



SGS-CSTC (China) Technical Services Co., Ltd.
Guangzhou Branch Testing Center Chemical Laboratory

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Page 3 of 7

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>003</u>
Hexabromodiphenyl ether	-	mg/kg	5	ND
Heptabromodiphenyl ether	-	mg/kg	5	ND
Octabromodiphenyl ether	-	mg/kg	5	ND
Nonabromodiphenyl ether	-	mg/kg	5	ND
Decabromodiphenyl ether	-	mg/kg	5	ND
Dibutyl phthalate (DBP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Bis (2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Diisobutyl Phthalates (DIBP)	1000	mg/kg	50	ND

Notes :

(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.IEC 62321 series is equivalent to EN 62321 series

http://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25



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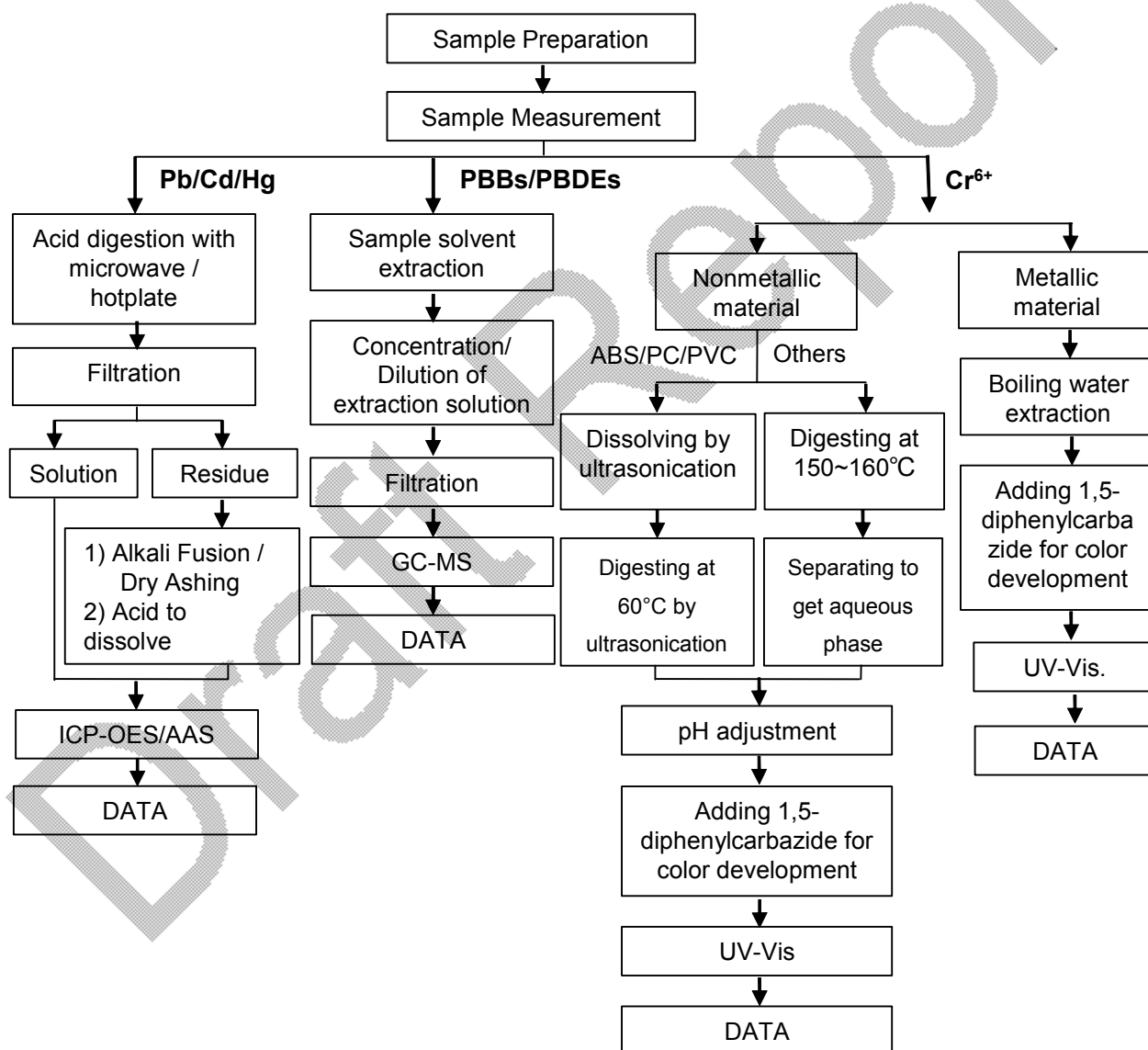
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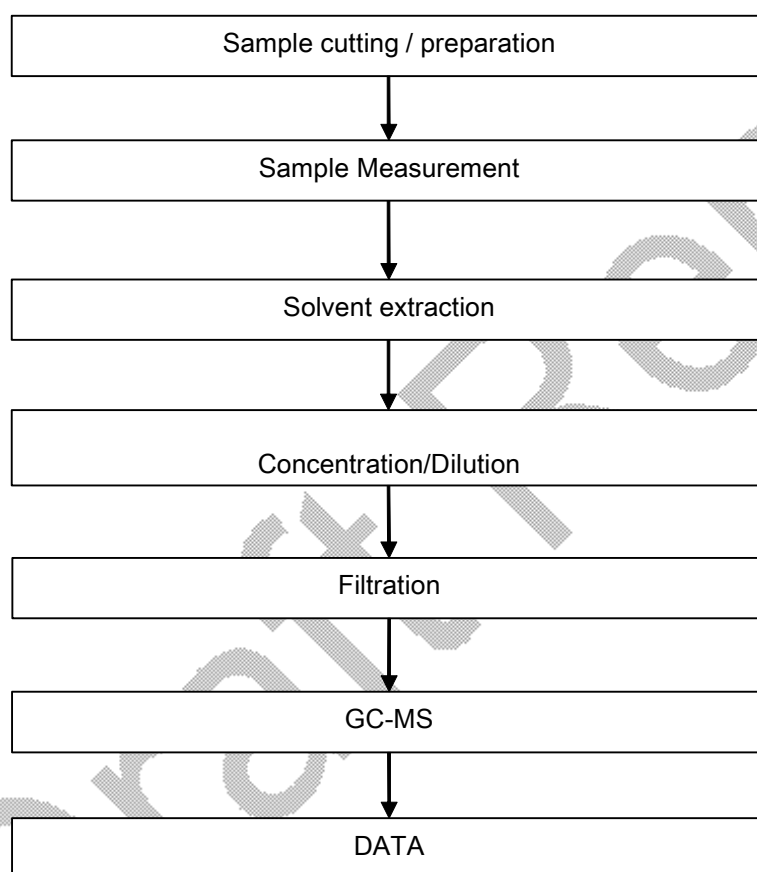
Pb/Cd/Hg/Cr⁶⁺/PBBs/PBDEs Testing Flow Chart

- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.
(Cr⁶⁺ and PBBs/PBDEs test method excluded).



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Phthalates Testing Flow Chart



Remark :

S16757,S6971,S11415,S13250,S13252,S15965,S12056,S733M,S6048,S13046,
SFA733,S12524,S6981,S733,S11158,S100A,S13014,S6972,S6021,S12044,S12861,
S14458,S11168,S12516B,S12998,S10154,S13568,S14969,S14979,S14208,S14370,
S10393,S8088,S12557,S13981,S13536,S13570,S15082,S15083, S16046, S16097,
S16098,S16099, S16100, S16101, S16102, S16103, S16104, S16105, S16106, S16107,
S16108, S16109, S16163, S16164, S16165, S16244, S16043, S16044, S16045,
S16023,S16246,S16389,S16367,S16703,S16666,S16667,S16668,S16545,S15824,
S15825,S16837,S16879A/B,S16880A/B,S16869,S16845,S16992.S16953,S17045,S17092,
S17248,S17253,S16460,S16657,S16658,S16659,S16836,S16881,S16882,S16023,S16043,
S16044,S16045,S16046,S16097,S16098,S16099,S16100,S16101,S16102,S16103,S16104,
S16105,S16106,S16107,S16108,S16109,S16244,S16289,S16290,S16291,S16292,S16293,
S16302,S16303,S16402,S16403,S16436,S10487,S16846,S16521,S16522,S16523,
S16815,S16817,S16389,S16367S16703,S16389,S16367,S16703,S18114,S18039,S18116...

Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

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