

est Report	<b>No</b> .: S	SHAEC24000	018801	Date:	Jan 08,	2024	Page 1 of 11
Client Name: Jiangsu Zhongke Kehua New Materials Co.,Ltd							
	Client Address: No.70 MEILAN EAST ROAD, HAILING INDUSTRIAL PARK, TAIZH PROVINCE, P.R						SSU
Sample Name:	EPC	OXY MOLDIN	IG COMPOUN	D			
Model No.:	KHC	G600					
Client Ref. Information	on: KHC	G600H ł KHG600	KHG600HX -7G KHG60	KHG600- )0-JL	4 K	HG600L	KHG600-M
	KH	IG600-KS ł KHG600	KHG600-HT -D KHG60	KHG600-	HY K	HG600-A1	KHG600-A2
		IG600-3 ł	KHG600	KHG600-	G K	HG600HV	KHG600-A3
The above sample(s		duction date 2 ation were pro		lient.			
SGS Job No.:	SHF	P24-000001					
Sample Receiving Date: Jan 02, 2024							
Testing Period: Jan 02, 2024 ~ Jan 08, 2024							
Test Requested:	Sele	ect test(s) as	requested by t	he client.			
Test Method(s):	Plea	ase refer to ne	ext page(s).				
Test Result(s):	Plea	ase refer to ne	ext page(s).				
Test Requirement							nclusion
EU RoHS Directive - Lead, Mercury, Ca (PBB), Polybromina (DEHP), Butyl benz phthalate (DIBP)	admium, Hex ated diphenyl	avalent chror l ethers (PBD	nium, Polybror E), Bis(2-ethyl	ninated bip hexyl) phth	henyls alate		Pass
Halogen						See	e Results

Signed for and on behalf of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Perfluorooctane Sulfonates (PFOS) and its derivatives and Perfluorooctanoic

y Lon

Acid (PFOA) and its salts

Jenny Lan Approved Signatory



See Results



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### **Test Report**

#### No.: SHAEC24000018801

Date: Jan 08, 2024

#### Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	SHA24-0000188-0001.C001	Black powder

Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit

(3) ND = Not Detected (< MDL)

(4) "-" = Not Regulated

#### EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

# Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 and IEC 62321-8:2017, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A1
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND
Polybrominated biphenyls (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	5	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	5	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	5	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	5	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	5	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	5	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	5	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	5	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	5	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	5	ND
Polybrominated diphenyl ethers (PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	5	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	5	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	5	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	5	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	5	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	5	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	5	ND



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	Test Item(s)	Limit	Unit(s)	MDL	A1
	Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	5	ND
	Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	5	ND
	Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	5	ND
	Bis(2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
	Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
	Dibutyl phthalate (DBP)	1000	mg/kg	50	ND
	Diisobutyl phthalate (DIBP)	1000	mg/kg	50	ND

#### Notes:

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(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.

(2) IEC 62321 series is equivalent to EN 62321 series.

(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

#### <u>Halogen</u>

Test Method: With reference to EN 14582:2016, analysis was performed by IC.

Test Item(s)	Unit(s)	MDL	A1
Fluorine(F)	mg/kg	20	ND
Chlorine(Cl)	mg/kg	50	ND
Bromine(Br)	mg/kg	50	ND
lodine(I)	mg/kg	50	ND

# Perfluorooctane Sulfonates (PFOS) and its derivatives and Perfluorooctanoic Acid (PFOA) and its salts

Test Method: With reference to CEN/TS 15968:2010, analysis was performed by HPLC-MS or LC-MS/MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
PFOS and its derivatives	-	mg/kg	-	ND
Perfluorooctane Sulfonates (PFOS) and its salts*	1763-23-1	mg/kg	0.010	ND
N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA)	4151-50-2	mg/kg	0.010	ND
N-methylperfluoro-1-octanesulfonamide (N-MeFOSA)	31506-32-8	mg/kg	0.010	ND
2-(N-ethylperfluoro-1- octanesulfonamido) -ethanol (N- EtFOSE)	1691-99-2	mg/kg	0.010	ND
2-(N-methylperfluoro-1- octanesulfonamido) -ethanol (N- MeFOSE)	24448-09-7	mg/kg	0.010	ND
Perfluorooctane Sulfonamide (PFOSA)	754-91-6	mg/kg	0.010	ND



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Test Re	port No.:	SHAEC240	00018801	Date: Jan (	08, 2024	Page 4 of
Test	Item(s)		CAS No.	Unit(s)	MDL	A1
Perflusalts	uorooctanoic Acid (PFOA	) and its	335-67-1	mg/kg	0.010	ND

Notes:

(1) Perfluorooctanoic acid (PFOA) and its salts\* including PFOA (CAS No. 335-67-1), APFO (CAS No. 3825-26-1), PFOA-Na (CAS No. 335-95-5), PFOA-K (CAS No. 2395-00-8), PFOA-Ag (CAS No. 335-93-3) and PFOA-F (CAS No. 335-66-0). The result of PFOA is used to represent PFOA and its salts.

(2) Perfluorooctane sulfonates (PFOS) and its salts\* including PFOS (CAS No. 1763-23-1), POSF(CAS No. 307-35-7), PFOS-K (CAS No. 2795-39-3), PFOS-NH<sub>4</sub> (CAS No. 29081-56-9), PFOS-N(C<sub>10</sub>H<sub>21</sub>)<sub>2</sub>(CH<sub>3</sub>)<sub>2</sub> (CAS No. 251099-16-8), PFOS-NH<sub>2</sub>(C<sub>2</sub>H<sub>4</sub>OH)<sub>2</sub> (CAS No. 70225-14-8), PFOS-Li (CAS No. 29457-72-5), PFOS-N(C<sub>2</sub>H<sub>5</sub>)<sub>4</sub> (CAS No. 56773-42-3) and PFOS-Na (CAS No. 4021-47-0). The result of PFOS is used to represent PFOS and its salts.

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.



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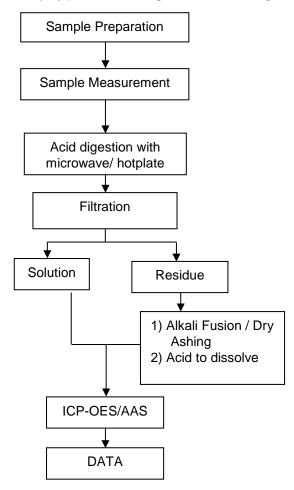
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#### **Elements Testing Flow Chart**

These samples were dissolved totally by pre-conditioning method according to below flow chart.





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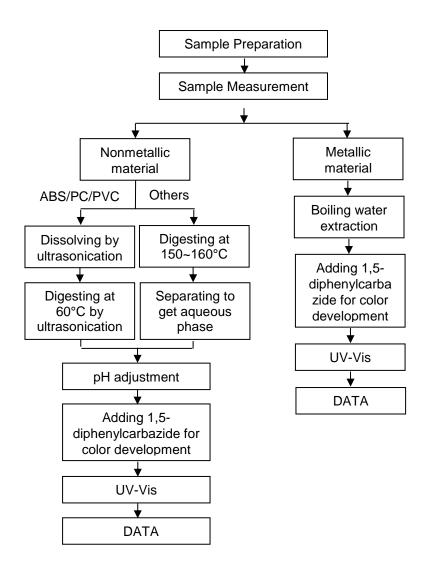
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Hexavalent Chromium (Cr(VI)) Testing Flow Chart





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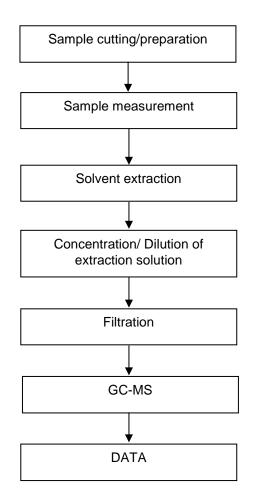
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#### **PBBs/PBDEs Testing Flow Chart**





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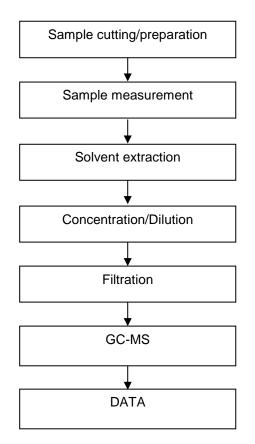
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**Phthalates Testing Flow Chart** 





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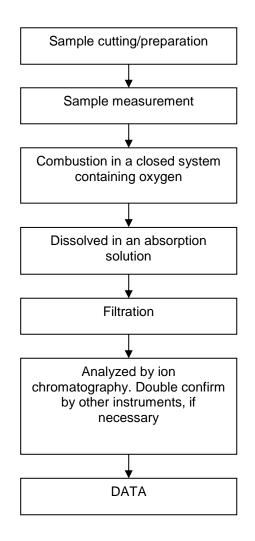
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#### **Halogen Testing Flow Chart**





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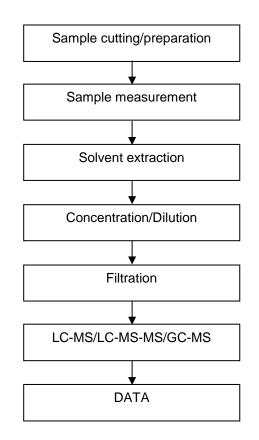
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**PFASs/ PFOS/PFOA Testing Flow Chart** 





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