

Test Report

No.: SHAEC25002376407

Date: Feb 17, 2025

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Client Name: Jiangsu Zhongke Kehua New Materials Co.,Ltd

Client Address: No.70 MEILAN EAST ROAD,HAILING INDUSTRIAL PARK,TAIZHOU,JIANGSU PROVINCE,P.R

Sample Name: EPOXY MOLDING COMPOUND

Model No.: KHG500

Client Ref. Information: See attachment

Production Date:2025.1.23

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

SGS Job No.: SHP25-002905

Sample Receiving Date: Feb 10, 2025

Testing Period: Feb 10, 2025 ~ Feb 14, 2025

Test Requested: Select 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).

Test Requirement	Conclusion
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)	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.Jenny Lan 兰柳珍
Approved Signatory

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This report is English version of SHAEC25002376408.



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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	SHA25-0023764-0001.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 and IEC 62321-12:2023, 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	25	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	25	ND
Tribrominated biphenyl (TriBB)	-	mg/kg	25	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	25	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	25	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	25	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	25	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	25	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	25	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	25	ND
Polybrominated diphenyl ethers (PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	25	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	25	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	25	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	25	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	25	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	25	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	25	ND



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Test Item(s)	Limit	Unit(s)	MDL	A1
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	25	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	25	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	25	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:

- (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.

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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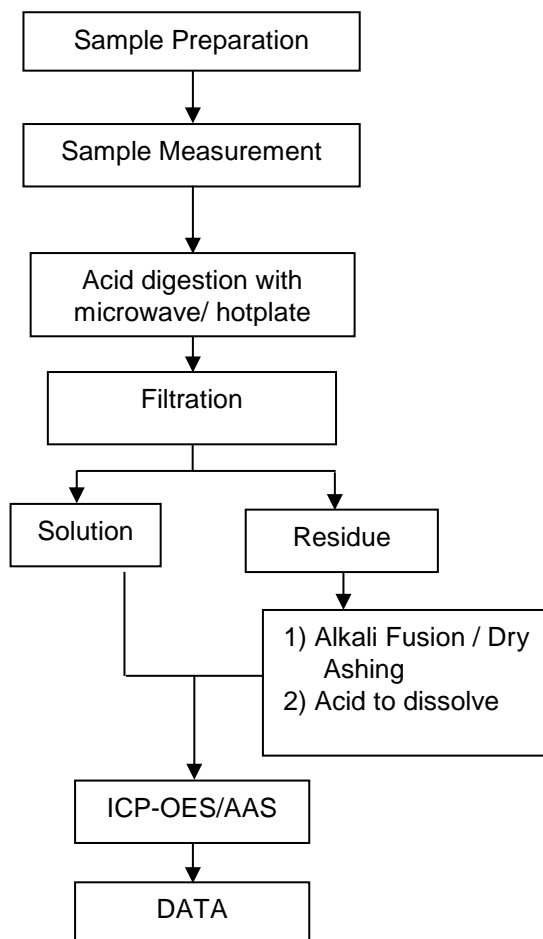
ATTACHMENTS

Elements Testing Flow Chart

Name of the person who made testing: Meria Jin/Sielina Song

Name of the person in charge of testing: John Cheng

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



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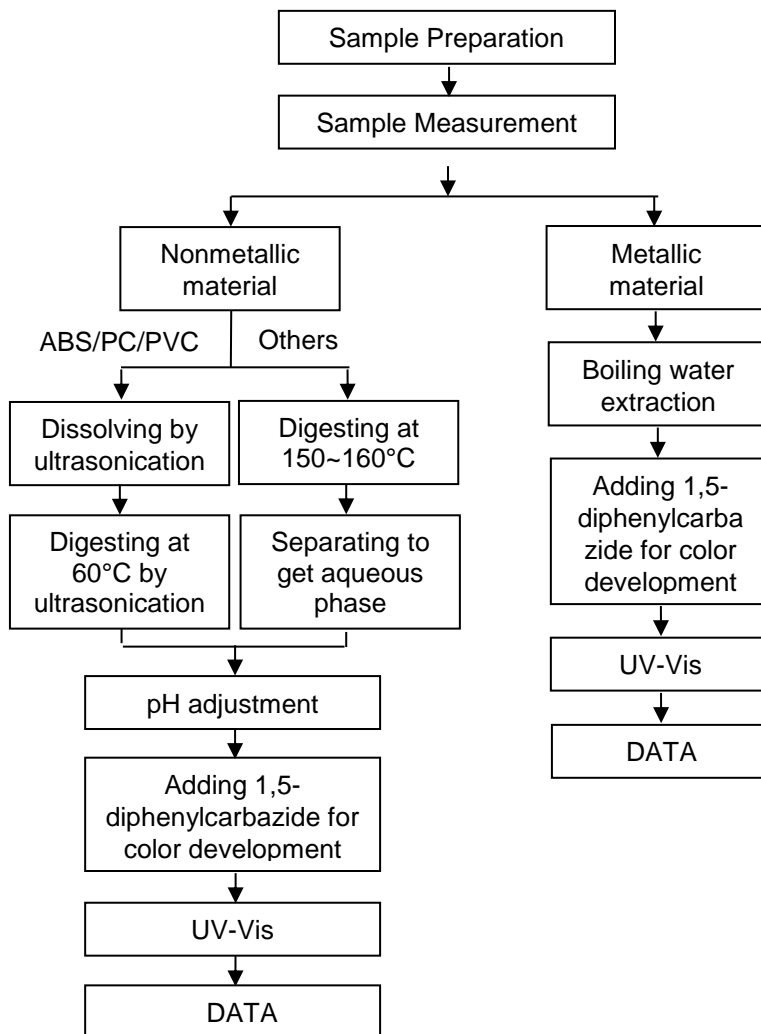
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ATTACHMENTS

Hexavalent Chromium (Cr(VI)) Testing Flow Chart

Name of the person who made testing: Alex Wang

Name of the person in charge of testing: Xiaolong Yang



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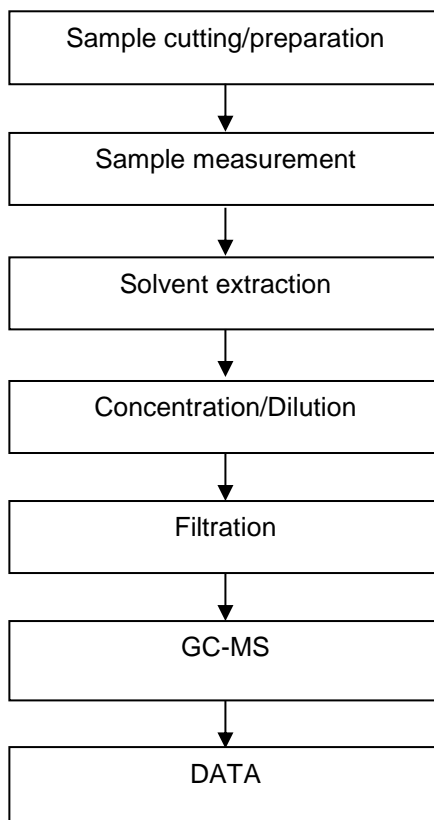
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PBB/PBDE/Phthalates Testing Flow Chart

Name of the person who made testing: Yanhong liu

Name of the person in charge of testing: xiaoqiang zhang



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Attachment:

KHG100, KHG100R, KHG100MT, KHG100MA, KHG100F, KHG100H
KHG200, KHG200L, KHG200M, KHG200F, KHG200J, KHG200H, KHG200-HY, KHG200N, KHG200-8,
KHG200F-M, KHG200X, KHG200M1, KHGG200M3, KHG200ME
KHG300, KHG300-5, KHG300-8, KHG300B, KHG300-LC, KHG300L, KHG300H, KHG300N, KHG300-HY,
KHG300-HY2, KHG300-HY2(J2), KHG300-HY3(J2),
KHG300-HY3, KHG300-HY4, KHG300-8L, KHG300-8M, KHG300-8H, KHG300X, KHG300X-1, KHG300X-2,
KHG300X-1A, KHG300X-2A, KHG300X-T, KHG300MD, KHG300ME, KHG300M, KHG300MA, KHG300MB,
KHG300MEL, KHG300MS, KHG300MHV,

KHG400, KHG400G, KHG400L, KHG400M, KHG400N, KHG400H, KHG400Y, KHG400-5, KHG400-7, KHG400-8,
KHG400-HY4, KHG400J, KHG400L2

KHG500A, KHG500, KHG500-1, KHG500-6, KHG500J, KHG500-X, KHG500S, KHG500-XS, KHG500-KS,
KHG500H, KHG500-HY3, KHG500-HY3C, KHG500-HY3A, KHG500-HY3B, KHG500-HY3D, KHG500-HT,
KHG500F, KHG500M, KHG500T, KHG500W, KHG500-JL, KHG500L, KHG500-8, KHG500-5, KHG500H-1,
KHG500H-2, KHG500J3, KHG500J1, KHG500JA

KHG600, KHG600-1, KHG600-3, KHG600-4, KHG600-7G, KHG600-A, KHG600-A1
KHG600-A2, KHG600-A3, KHG600-A5, KHG600-A6, KHG600-D, KHG600-D1,
KHG600-D2, KHG600-D3, KHG600-DA, KHG600-DB, KHG600-DC, KHG600-DD, KHG600-E, KHG600-G,
KHG600H, KHG600-H, KHG600HV, KHG600-HT, KHG600HX, KHG600-HY, KHG600J, KHG600-JL,
KHG600JN, KHG600JT, KHG600K1, KHG600-KS, KHG600L, KHG600-M, KHG600ME, KHG600-4A

KHG700, KHG700F, KHG700N, KHG700M, KHG700M-5, KHG700T, KHG700-CT, KHG700-T, KHG700M-6,
KHG700-8L, KHG700-8M, KHG700-8H, KHG700H, KHG700L, KHG700M-7, KHG700-A1, KHG700-A2, KHG700-2,
KHG700JH, KHG700A6, KHG700J3, KHG700J4, KHG700J, KHG700RJ, KHG700-8J, KHG700-A6, KHG700T-1,
KHG700T2, KHG700T3, KHG700ME, KHG700MEF, KHG700L-1, KHG700L-2, KHG700-8J1, KHG700-8M Type B,
KHG700 Type A, KHG700 TypeB

KHG800, KHG800-5, KHG800-8, KHG800-5J, KHG800-5S, KHG800B, KHG800B1
KHG800B2, KHG800B3, KHG800B4, KHG800B5, KHG800B6, KHG800BJ, KHG800C
KHG800C1, KHG800C2, KHG800C3, KHG800C2HTI, KHG800C4HT, KHG800F,
KHG800H, KHG800J, KHG800JB, KHG800J-C2, KHG800JU, KHG800JS, KHG800L
KHG800L1, KHG800L1T, KHG800L7R, KHG800M, KHG800N, KHG800N1, KHG800N2
KHG800N3, KHG800Q, KHG800T, KHG800T1, KHG800T2, KHG800T3, KHG800-TQ
KHG800-TT, KHG800TT, KHG800U, KHG800Z, KHG800C2HT, KHG800L2, KHG800L3, KHG800L4, KHG800H
TypeA, KHG800H TypeB

KHG900, KHG900A, KHG900A1, KHG900A2, KHG900A3, KHG900AU, KHG900G, KHG900GH, KHG900G-J,
KHG900Q, KHG900Q1, KHG900Q2, KHG900Q3, KHG900QU, KHG900J, KHG900J1, KHG900J2, KHG900J3,
KHG900JU, KHG900JG, KHG900JG-20, KHG900JG-55, KHG900U, KHG900U1, KHG900U2, KHG900U3,
KHG900L, KHG900JG-20D



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