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Test report.

No. CZXEC1900477942

Xingtai Zhongyao Chemical Co., Ltd. Lulou Village, Lulou Town, Xingtai County

The sample used for the following tests was provided and confirmed by the applicant: Magnesium oxide.

SGS work number :	CP19-000683 - CZ.
Sample receipt date :	June 26, 2024.
Test period :	June 26, 2024 - June 28, 2024.
Test requirements :	Tested according to customer requirements.
Test method :	Please see the next page.
Test results :	Please see the next page.
in conclusion :.	Based on the tests conducted on the submitted samples, the test results for cadmium, lead, mercury, hexavalent chromium, polybrominated biphenyls (PBBs), polybrominated diphenyl ethers (PBDEs), and phthalates (such as dibutyl phthalate (DBP), butyl benzyl phthalate (BBP), di(2-ethylhexyl) phthalate (DEHP), and diisobutyl phthalate (DIBP)) comply with the limits required by the amended Directive (EU) 2015/863 of Annex II to the EU RoHS Directive 2011/65/EU.

Authorized signature of SGS-CSTC Standards Technical Services (Changzhou) Co., Ltd.

Marry Ma, the signatory.

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Central Chemical Inspection

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Test results :

Test sample description :

Sample number.	SGS Sample ID. Description.
SN1.	CZX19-004716.004 White powder.

Remark :.

(1) 1 mg/kg = 0.0001%.

(2) MDL = Method detection limit.

(3) ND = Not detected (< MDL).

(4) "-" = Not specified.

Directive 2015/863, amending Annex II to RoHS Directive 2011/65/EU.

Test Methods : Following 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 using ICP-OES, UV-Vis, and GC-MS.

Test items:	Limit.	Unit.	MDL.		001.
Cadmium	100	mg/kg.		2	ND
(Cd), Lead	1000 mg/kg.	1000 mg/kg.		2	ND
(Pb), Mercury	1000 mg/kg.	1000 mg/kg.		2	ND
(Hg), Hexavalent Chromium	mg/kg.	mg/kg.	mg/kg.	8	ND
(Cr(VI)), Sum of Polybrominated Biphenyls	mg/kg.	mg/kg.	mg/kg.	-	ND
(PBBs):	-	mg/kg.		5	ND
Monobromobiphenyl ,	-	mg/kg.		5	ND
Dibromobiphenyl ,	-	mg/kg.		5	ND
Tribromobiphenyl,	-	mg/kg.		5	ND
Tetrabromobiphenyl,	-	1000 mg/		5	ND
Pentabromobiphenyl,	-	kg. mg/kg.		5	ND
Hexabromobiphenyl,	-	mg/kg.		5	ND
Heptabromobiphenyl,	-	mg/kg.		5	ND
Octabromobiphenyl ,	-	mg/kg.		5	ND
Nonabromobiphenyl ,	-			5	ND
Decabromobiphenyl, Sum of Polybrominated				-	ND
Diphenyl Ethers	-			5	ND
(PBDEs):	-			5	ND
Monobromodiphenyl	-			5	ND
ether, Dibromodiphenyl ether, Tribromodiphenyl ether, Tetrabromodiphenyl ether.	-			5	ND

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Test items:	Limit.	Unit.	MDL.	001.
Pentabromodiphenyl		mg/kg.	5	ND
ether,		mg/kg.	5	ND
Hexabromodiphenyl		mg/kg.	5	ND
ether,		mg/kg.	5	ND
Heptabromodiphenyl		mg/kg.	5	ND
ether,		mg/kg.	5	ND
Octabromodiphenyl ether,	1000 mg/kg.	1000 mg/kg.	50	ND
Nonabromodiphenyl ether,	1000 mg/kg.	1000 mg/kg.	50	ND
Decabromodiphenyl ether, Dibutyl phthalate (DBP),			50	ND
Butylbenzyl phthalate (BBP), Di (2-ethylhexyl) phthalate (DEHP), Diisobutyl phthalate (DIBP).			50	ND

Remark :.

(1) The maximum permissible limits are referenced from RoHS Directive (EU) 2015/863.

The IEC 62321 series is equivalent to the EN 62321 series.

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(2) Annex II of RoHS Directive (EU) 2015/863, published in the Official Journal of the European Union on June 4, 2015, also includes phthalates in its limits.

Phthalate esters BBP, DBP, DEHP, and DIBP. The new directive restricts the content of phthalates in every homogeneous material used in electronic and electrical products.

The amount must not exceed 0.1%.

(3) Starting July 22, 2021, restrictions on DEHP, BBP, DBP, and DIBP apply to medical devices, including external medical devices and monitoring devices.

Tables, including industrial monitoring and control instruments.

(4) The restrictions on DEHP, BBP, DBP, and DIBP do not apply to cables and electrical and electronic products placed on the market before July 22, 2021, used for maintenance.

Spare parts for repair, reuse, functional upgrades, and capacity enhancement, as well as medical devices placed on the market before July 22, 2021, including in vitro medical devices.

Medical devices, monitoring instruments, including industrial monitoring and control instruments.

(5) The restrictions on DEHP, BBP and DBP do not apply to toy products, because Article 51 of Annex XVII of No. 1907/2006 already addresses the use of DEHP, BBP and DBP in toy products.

The levels of DEHP, BBP, and DBP were limited.

This test report is for internal reference only and is intended for the client's research, teaching, internal quality control, and product development purposes.

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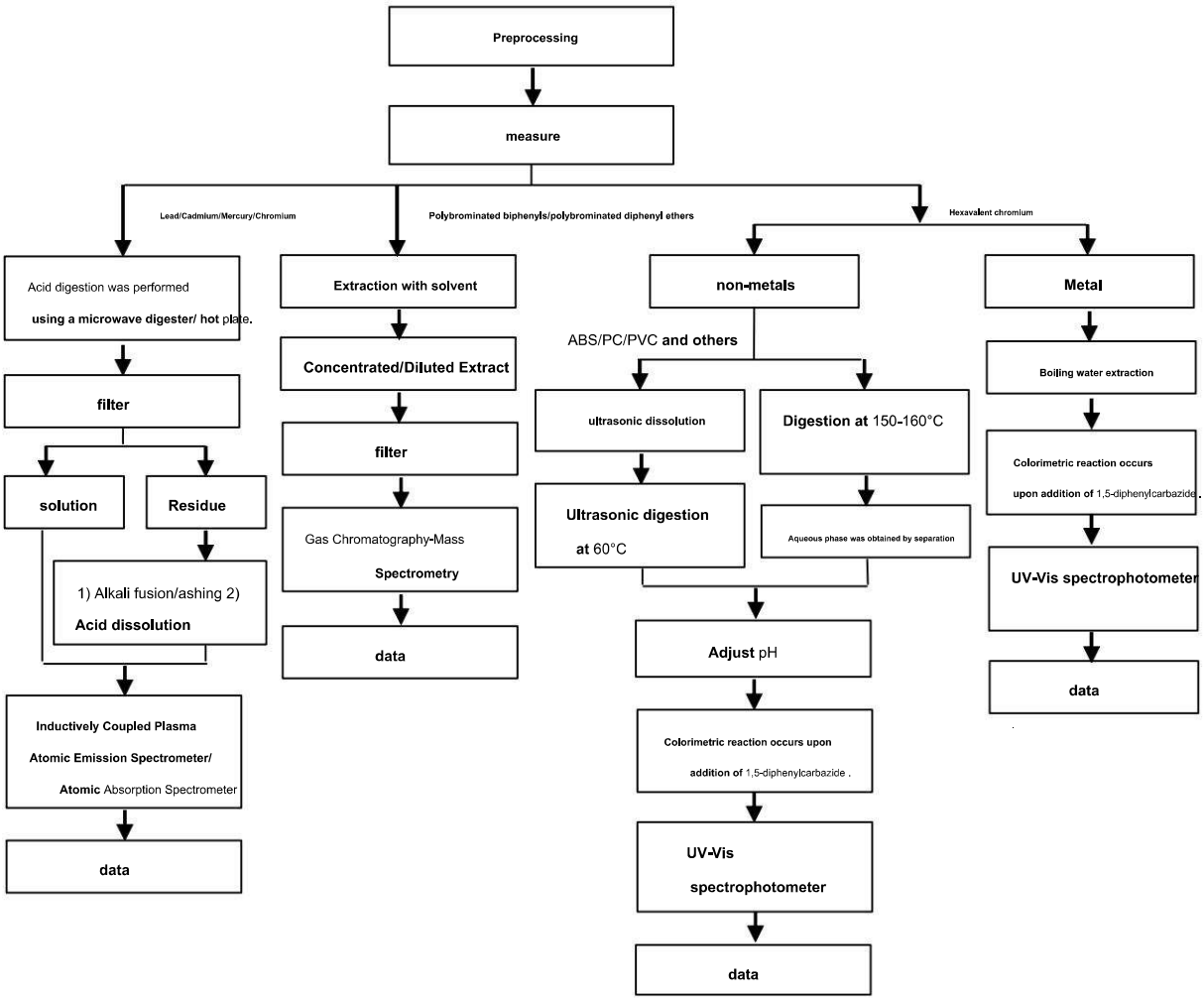
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appendix

Pb/Cd/Hg/Cr6+/PBBs/PBDEs Testing Flowchart

The samples were completely digested according to the following procedure (except for the tests for hexavalent chromium and polybrominated biphenyls/polybrominated diphenyl ethers).



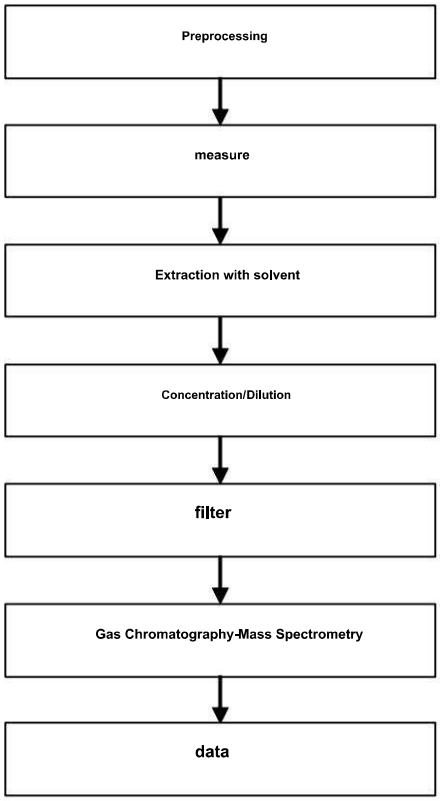
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appendix

Phthalates Test Flowchart



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Sample photo:



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Report complete.**

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