

Test Report

Report No.: RGST260209701

Date: Mar 19, 2026

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Applicant : LULL KIDS

Address : 14 Honor Crest Run, Sugar Land, TX 77498, USA

Report on the submitted sample(s) said to be:

Sample(s) Name : Teething tube

Model No. : LK-BT4
LK-BT2-YG
LK-BT4-AUTUMN
LK-BT2-TO
LK-BT4-WINTER
LK-BT4-SPRING

Appropriate Age Grade : 6 months+

Labeled Age Grading : 6 months+

Requested Age Grade : 6 months+

Tested Age Grading : 6 months+

Manufacturer : Shenzhen Kean Silicone Product Co.,Ltd

Manufacturer's address : #52 Xinhe Road, Baolai Industrial Zone, Shangmugu, Pinghu, Longgang,
Shenzhen, 518111

Sample(s) received date : Feb 09, 2026

Testing period : From Feb 09, 2026 to Mar 05, 2026

Test Requested

As requested by the applicant, refer to attached page(s) for details.

To be continued

Approved by:



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	Test Standard	Conclusion
1	ASTM F963-23 -Physical & Mechanical properties.	Pass
2	ASTM F963-23 -Flammability properties.	Pass
3	Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103-Tracking Labels for Children's Products- Tracking label requirement.	Pass
4	Consumer Product Safety Commission 16 CFR 1500 & 16 CFR 1501– Sharp Points, Sharp Edges, Small Parts test.	Pass
5	16 CFR 1500.3 (c) (6) (vi) /1500.44- Flammability properties.	Pass
6	ASTM F963-23(Clause 4.3.5.1)- Heavy Elements content in Paint and Similar Surface-coating.	N.A.
7	ASTM F963-23(Clause 4.3.5.2)- Heavy Elements content in Substrate.	Pass
8	16 CFR 1303-Total Lead content.	N.A.
9	Consumer Product Safety Improvement Act of 2008(H.R. 4040) & H.R.2715 amendment Title 1 section 101- Children's products containing lead; lead paint rule- Lead content.	Pass
10	Consumer Product Safety Improvement Act of 2008(H.R. 4040) & H.R.2715 amendment &16 CFR Part 1307-Prohibition of Children Toys and Child Care Articles Containing Specified Phthalates-DEHP、DBP、BBP、DINP、DIBP、DPENP、DHEXP and DCHP content .	Pass
11	ASTM F963-23(Clause 4.3.8) - DEHP、DBP、BBP、DINP、DIBP、DPENP、DHEXP and DCHP content.	Pass

N.A. = Not Applicable

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Photograph(s) of Sample



GST authenticate the photo on original report only

Specimen Description:

No.	Test sample(s) name
1	Teething tube

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Results:**(1) ASTM F963-23: Mechanical and physical hazards**

Section	Test request	Result(s)	Verdict
4.1	Material Quality	M	Pass
4.2	Flammability	M	Pass
4.3	Toxicology	Refer to Chemical section	/
4.3.7	Stuffing Materials	NA	/
4.4	Electrical/Thermal Energy	NA	/
4.5	Sound-producing Toys	NA	/
4.6	Small Objects	M	Pass
4.6.1	Toys that are intended for children under 36 months of age	M	Pass
4.6.2	Mouth-actuated Toys	NA	/
4.6.3	Toys and games for 36 months to 72 months - Small part warning	NA	/
4.7	Accessible Edges	M	Pass
4.8	Projections	NA	/
4.9	Accessible Points	M	Pass
4.10	Wires or Rods	NA	/
4.11	Nails and Fasteners	NA	/
4.12	Plastic Film	NA	/
4.13	Folding Mechanisms and Hinges	NA	/
4.14	Cords, Straps, and Elastics	NA	/
4.15	Stability and Over-load Requirements	NA	/
4.16	Confined Spaces	NA	/
4.17	Wheels, Tires, and Axles	NA	/
4.18	Holes, Clearance, and Accessibility of Mechanisms	NA	/
4.19	Simulated Protective Devices	NA	/
4.20	Pacifiers	NA	/
4.21	Projectile Toys	NA	/

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Section	Test request	Result(s)	Verdict
4.22	Teethers and Teething Toys	M	Pass
4.23	Rattles	NA	/
4.24	Squeeze Toys	NA	/
4.25	Battery Operated Toys (exclude Section 4.25.9 Battery-powered ride-on toys & Section 4.25.10 Toys that Contain Secondary Cells or Secondary Batteries)	NA	/
4.26	Toys Intended to be Attached to a Crib or Playpen	NA	/
4.27	Stuffed and Beanbag-type Toys	NA	/
4.28	Stroller and Carriage Toys	NA	/
4.29	Art Materials	NA	/
4.30	Toy Gun Marking	NA	/
4.31	Balloons	NA	/
4.32	Certain Toys With Nearly Spherical Ends	NA	/
4.33	Marbles	NA	/
4.34	Balls	NA	/
4.35	Pompoms	NA	/
4.36	Hemispheric-Shaped Objects	NA	/
4.37	Yo Yo Elastic Tether Toys	NA	/
4.38	Magnets	NA	/
4.39	Jaw Entrapment in Handles and Steering Wheels	NA	/
4.40	Expanding Materials	NA	/
4.41	Toy Chests	NA	/
5	Labeling Requirements		
5.1.2	Tracking label	M	Pass
5.2	Age Grading Labeling	Recorded: 6 months+	
5.3	Safety Labeling Requirements	NA	/
5.4	Aquatic Toys	NA	/
5.5	Crib and Playpen Toys	NA	/

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Section	Test request	Result(s)	Verdict
5.6	Mobiles	NA	/
5.7	Stroller and Carriage Toys	NA	/
5.8	Toys Intended to be Assembled by an Adult	NA	/
5.9	Simulated Protective Devices	NA	/
5.10	Toys with Functional Sharp Edges or Points	NA	/
5.11	Small Objects, Small Balls, Marbles and Balloons	NA	/
5.12	Art Materials	NA	/
5.13	Electric Toys	NA	/
5.14	Battery-operated Toys	NA	/
5.15	Promotional Materials	M	Pass
5.16	Magnets	NA	/
6	Instructional Literature		
6.1	Definition and Description	M	Pass
6.2	Crib and Playpen Toys	NA	/
6.3	Mobiles	NA	/
6.4	Toys Intended to be Assembled by an Adult	NA	/
6.5	Battery-operated Toys	NA	/
6.6	Battery-Powered Ride-on Toys	NA	/
6.7	Toys in Contact with Food	NA	/
6.8	Toy Chests	NA	/
6.9	Toys which require a manufacturer-supplied specialty or custom tool to access the battery(ies)	NA	/
7	Producer's Markings		
7.1	Either a principal component of a toy or the package of a toy shall be marked with the name and address of the producer or the distributor.	M	Pass
7.2	Battery-powered Ride-on Toys	NA	/

Note:

1. M = Meet NA = Not Applicable

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(2) ASTM F963-23: Flammability of materials other than textiles

Test method: ASTM F963-23 Section 4.2

Method used: Federal Hazardous Substances Act (FHSA) 16 CFR 1500.44

Result:

Sample(s) name	Ignition point	Unit	Result(s)
Teething tube	Top	in/sec	DNI
	End	in/sec	DNI

- In accordance with the FHSA 16 CFR 1500.3 (C) (6) (vi), the burning rate should not be greater than 0.1 in/sec.

- DNI =Did Not Ignited

(3) CPSIA Tracking labels

Test method: As per CPSIA 2008 sec. 103. Tracking labels for children's products.

Result:

Requirement	Result(s)	Verdict
On Packaging		
Present on packaging	M	Pass
Permanent	M	Pass
Manufacturer or private labeler	M	Pass
Location of production (City and country)	M	Pass
Date of production (month and year)	M	Pass
On Product		
Present on product	NA	/
Permanent	NA	/
Location of production (City and country)	NA	/
Date of production (month and year)	NA	/
Manufacturer or private labeler	NA	/

Note:

1. M = Meet

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(4) As per 16 CFR 1500. the hazards of sharp points, sharp edges, small parts are assessed both before and after applicable use and abuse tests

The following clauses are identified to be applicable:

Age grading for testing: 6 months+

<u>Test standard</u>	<u>Test Condition</u>		<u>Sharp point</u>	<u>Sharp edge</u>	<u>Small Parts</u>	<u>Rattle Test*</u>
			<u>(1500.48)</u>	<u>(1500.49)</u>	<u>16 CFR 1501</u>	<u>16 CFR 1510</u>
1500.50	Simulating use testing		P	P	P	NA
1500.50	Abuse testing		P	P	P	NA
1500.51	Impact Test	10 x 4.5ft	P	P	P	NA
1500.53	Torque Test	4 in-lbf	P	P	P	NA
1500.53	Tension Test	15 lbf	P	P	P	NA
1500.53	Compression	--	NA	NA	NA	NA
1500.53	Flexure Test	--	NA	NA	NA	NA
1500.53	Bite Test	--	NA	NA	NA	NA
1500.121	Labeling requirements; prominence, placement, and conspicuousness					
1500.19	Misbranded toys and other articles intended for use by children					
Note:	*The abuse test of the rattle component(s) is according to part 1500.51					
	P = Pass NA = Not Applicable F = Fail NT = Not Test					

(5) Flammability Test

Method used: Federal Hazardous Substances Act (FHSA) 16 CFR 1500.44

Result:

Sample(s) name	Ignition point	Unit	Result(s)
Teething tube	Top	in/sec	DNI
	End	in/sec	DNI

- In accordance with the FHSA 16 CFR 1500.3 (C) (6) (vi), the burning rate should not be greater than 0.1 in/sec.

- DNI =Did Not Ignited

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Specimen Description:

No.	Test part(s) name
1	Light green soft plastic
2	Light gray soft plastic
3	Gray soft plastic
4	Light blue soft plastic
5	Gray-blue soft plastic
6	Blue soft plastic
7	Light brown soft plastic
8	Dark pink soft plastic
9	Bright green soft plastic
10	Cyan soft plastic
11	Light gray-green soft plastic
12	Light purple soft plastic
13	Pink soft plastic
14	Brown soft plastic
15	Orange soft plastic
16	Yellow soft plastic

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(6) Heavy Elements content in Paint and Similar Surface-coating - ASTM F963-23 (Clause 4.3.5.1) Standard Consumer Safety Specification for Toy Safety.

Total Lead (Pb) Content in Surface Coating

Test Method: CPSC-CH-E1003-09.1

Test Instrument: Atomic Absorption Spectrophotometer(AAS)

Test item(s)	Unit	MDL	Limit	Result(s)
				-
Lead(Pb)	mg/kg	10	90	N.A.

Soluble elements Content

Test Method: ASTM F 963-23 Section 8.3.2

Test Instrument: Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Test item(s)	Unit	MDL	Limit	Result(s)
				-
Cadmium(Cd)	mg/kg	5	75	N.A.
Lead(Pb)	mg/kg	5	90	N.A.
Chromium(Cr)	mg/kg	5	60	N.A.
Mercury(Hg)	mg/kg	5	60	N.A.
Antimony(Sb)	mg/kg	5	60	N.A.
Barium(Ba)	mg/kg	5	1000	N.A.
Arsenic(As)	mg/kg	5	25	N.A.
Selenium(Se)	mg/kg	5	500	N.A.

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(7) Heavy Elements content in Substrate - ASTM F963-23 (Clause 4.3.5.2) Standard Consumer Safety

Specification for Toy Safety.

Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate)

Test Method: CPSC-CH-E1002-08.3

Test Instrument: Atomic Absorption Spectrophotometer(AAS)

Test item(s)	Unit	MDL	Limit	Result(s)		
				1+2+3	4+5+6	7+8+9
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				10+11+12	13+14	15+16
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.

Soluble elements Content

Test Method: ASTM F 963-23 Section 8.3.5

Test Instrument: Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Test item(s)	Unit	MDL	Limit	Result(s)				
				1	2	3	4	5
Cadmium(Cd)	mg/kg	5	75	N.D.	N.D.	N.D.	N.D.	N.D.
Lead(Pb)	mg/kg	5	90	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(Cr)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury(Hg)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Antimony(Sb)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Barium(Ba)	mg/kg	5	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic(As)	mg/kg	5	25	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium(Se)	mg/kg	5	500	N.D.	N.D.	N.D.	N.D.	N.D.

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Test item(s)	Unit	MDL	Limit	Result(s)				
				6	7	8	9	10
Cadmium(Cd)	mg/kg	5	75	N.D.	N.D.	N.D.	N.D.	N.D.
Lead(Pb)	mg/kg	5	90	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(Cr)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury(Hg)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Antimony(Sb)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Barium(Ba)	mg/kg	5	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic(As)	mg/kg	5	25	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium(Se)	mg/kg	5	500	N.D.	N.D.	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)				
				11	12	13	14	15
Cadmium(Cd)	mg/kg	5	75	N.D.	N.D.	N.D.	N.D.	N.D.
Lead(Pb)	mg/kg	5	90	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(Cr)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury(Hg)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Antimony(Sb)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Barium(Ba)	mg/kg	5	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic(As)	mg/kg	5	25	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium(Se)	mg/kg	5	500	N.D.	N.D.	N.D.	N.D.	N.D.

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Test item(s)	Unit	MDL	Limit	Result(s)
				16
Cadmium(Cd)	mg/kg	5	75	N.D.
Lead(Pb)	mg/kg	5	90	N.D.
Chromium(Cr)	mg/kg	5	60	N.D.
Mercury(Hg)	mg/kg	5	60	N.D.
Antimony(Sb)	mg/kg	5	60	N.D.
Barium(Ba)	mg/kg	5	1000	N.D.
Arsenic(As)	mg/kg	5	25	N.D.
Selenium(Se)	mg/kg	5	500	N.D.

(8) Total lead content - 16 CFR 1303

Total Lead (Pb) Content in Surface Coating

Test Method: CPSC-CH-E1003-09.1

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	Limit	Result(s)
				-
Lead(Pb)	mg/kg	10	90	N.A.

(9) Total lead content - Consumer Product Safety Improvement Act of 2008(H.R. 4040) & H.R.2715 amendment Title 1 section 101.

Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate)

Test Method: CPSC-CH-E1002-08.3

Test Instrument: Atomic Absorption Spectrophotometer(AAS)

Test item(s)	Unit	MDL	Limit	Result(s)		
				1+2+3	4+5+6	7+8+9
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.

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Test item(s)	Unit	MDL	Limit	Result(s)		
				10+11+12	13+14	15+16
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.

(10) Phthalates content- Consumer Product Safety Improvement Act of 2008(H.R. 4040) & H.R.2715 amendment & 16 CFR Part 1307-Prohibition of Children Toys and Child Care Articles Containing Specified Phthalates.

Test Method: CPSC-CH-C1001-09.4

Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)	
					1+2+3	4+5+6
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0 68515-48-0	mg/kg	100	1000	N.D.	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.
Di-n-pentyl Phthalate (DPENP)	131-18-0	mg/kg	50	1000	N.D.	N.D.
Di-n-hexyl Phthalate (DHEXP)	84-75-3	mg/kg	50	1000	N.D.	N.D.
Dicyclohexyl Phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.

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Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)	
					7+8+9	10+11+12
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0 68515-48-0	mg/kg	100	1000	N.D.	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.
Di-n-pentyl Phthalate (DPENP)	131-18-0	mg/kg	50	1000	N.D.	N.D.
Di-n-hexyl Phthalate (DHEXP)	84-75-3	mg/kg	50	1000	N.D.	N.D.
Dicyclohexyl Phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)	
					13+14	15+16
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0 68515-48-0	mg/kg	100	1000	N.D.	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.
Di-n-pentyl Phthalate (DPENP)	131-18-0	mg/kg	50	1000	N.D.	N.D.
Di-n-hexyl Phthalate (DHEXP)	84-75-3	mg/kg	50	1000	N.D.	N.D.
Dicyclohexyl Phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.

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(11) Phthalates content- ASTM F963-23 (Clause 4.3.8) Standard Consumer Safety Specification for Toy Safety.

Test Method: CPSC-CH-C1001-09.4

Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)	
					1+2+3	4+5+6
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0 68515-48-0	mg/kg	100	1000	N.D.	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.
Di-n-pentyl Phthalate (DPENP)	131-18-0	mg/kg	50	1000	N.D.	N.D.
Di-n-hexyl Phthalate (DHEXP)	84-75-3	mg/kg	50	1000	N.D.	N.D.
Dicyclohexyl Phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)	
					7+8+9	10+11+12
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0 68515-48-0	mg/kg	100	1000	N.D.	N.D.
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Di-n-pentyl Phthalate (DPENP)	131-18-0	mg/kg	50	1000	N.D.	N.D.
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Dicyclohexyl Phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.

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Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)	
					13+14	15+16
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0 68515-48-0	mg/kg	100	1000	N.D.	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.
Di-n-pentyl Phthalate (DPENP)	131-18-0	mg/kg	50	1000	N.D.	N.D.
Di-n-hexyl Phthalate (DHEXP)	84-75-3	mg/kg	50	1000	N.D.	N.D.
Dicyclohexyl Phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.

Note:

- mg/kg=milligram per kilogram
- N.D. =Not Detected (<MDL)
- N.A. = Not Applicable
- MDL=Method Detection Limit
- The soluble test results shown are of the adjusted analytical results.
- As specified by client, the mixed testing were conducted.

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Test Report

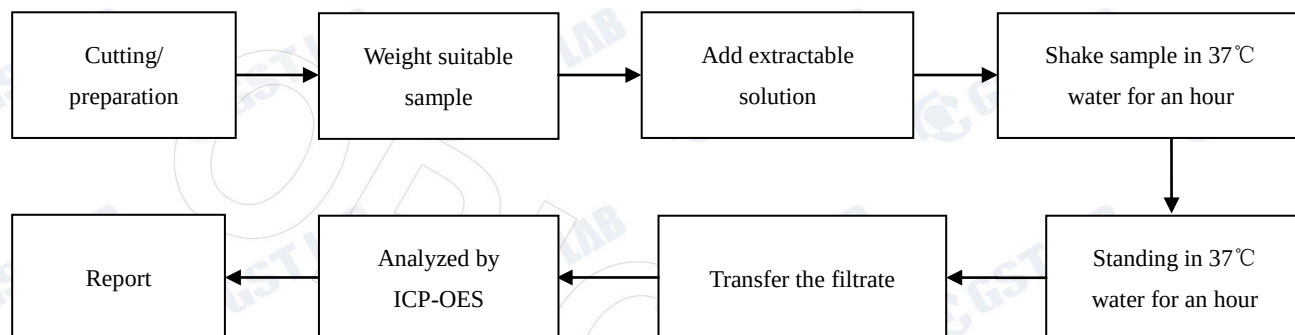
Report No.: RGST260209701

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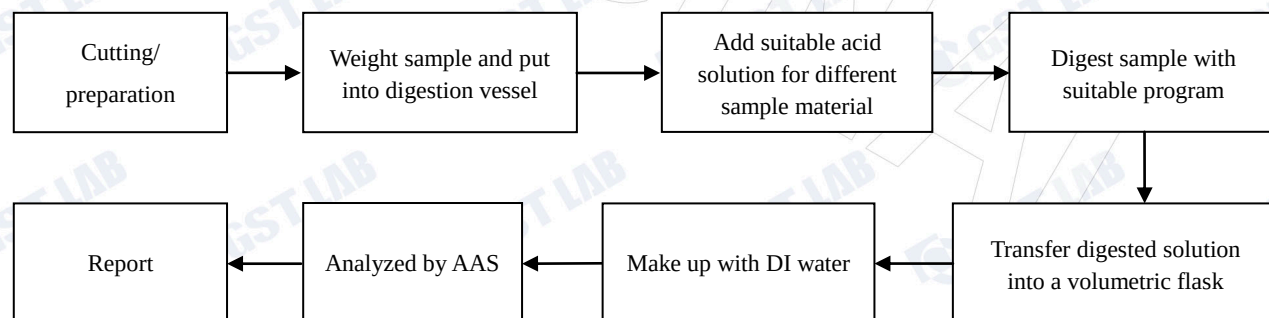
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Appendix

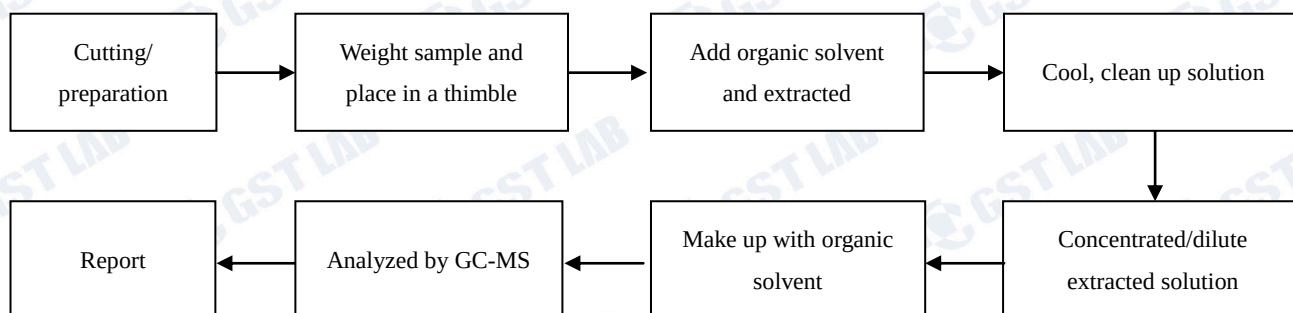
1. Test flowchart for soluble elements content:



2. Test flowchart for Pb content:



3. Test flowchart for Phthalates content:



*** End of Report ***

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