



Test Report

Report No. A2250094553161

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Company Name JOYIN US CORP
shown on Report
Address 315 W ELLIOT RD #107-168 TEMPE, AZ 85284

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client

Sample Name	Inflatable Suntan
Item No.	40826
Exported to	U.S.A Europe
Quantity Of Sample	2pcs
Client Specified Age Grading	3+
Labeled Age Grading	AGES 3+
Age Group Applied in Testing	3+YEARS
Sample Received Date	Mar. 20, 2025
Further Information Date	Mar. 27, 2025
Testing Period	Mar. 20, 2025 to Mar. 27, 2025

Test Conducted:

As requested by the Company Name shown on Report . For details refer to next page(s)



Chen Kaimin

Chen Kaimin
Authorized Signatory

Centre Testing International Pinbiao(Shanghai) Co., Ltd.

Date Mar. 27, 2025 No. T675551637

No.1351, Wanfang Road, Minhang District, Shanghai, China

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Executive Summary:**TEST REQUEST****CONCLUSION**

1)	ASTM F963-23 Standard Consumer Safety Specification for Toy Safety	
-	Mechanical and Physical test	PASS
-	Clause 4.2 Flammability of toys	PASS
-	Clause 4.3.5 Total Lead content in substrate materials	PASS
-	Clause 4.3.5 Heavy elements – Migration of certain elements	PASS
-	Clause 4.3.8 Phthalates content	PASS
2)	US Consumer Product Safety Improvement Act of 2008 (CPSIA) with amendment (H.R.2715)	
-	Sec.103 Tracking Labels for Children's Products	PASS
-	Sec.101 Lead in substrate materials of children's products	PASS
-	Sec.108 Prohibition on sale of certain products containing specified phthalates (16 CFR Part 1307 Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates)	PASS
3)	Title 16, Code of Federal Regulations, Chapter II – Consumer Products Safety Commission	
-	16 CFR 1500.48 Technical requirements for determining a sharp point in toys and other articles intended for use by children under 8 years of age.	PASS
-	16 CFR 1500.49 Technical requirements for determining a sharp metal or glass edge in toys and other articles intended for use by children under 8 years of age.	N/A
-	16 CFR 1501 Method for Identifying Toys and Other Articles Intended for Use by Children Under 3 Years of Age Which Present Choking, Aspiration, or Ingestion Hazards Because of Small Parts	N/A
-	16 CFR 1500.44 Method for determining extremely flammable and flammable solids.	PASS

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4) European Standard on Safety of Toys

- EN 71-1:2014+A1:2018(E) Mechanical and Physical Properties

PASS
(EX for
Requirements for
EN 15649-
3:2009+A1:2012)

- EN 71-2:2020 Flammability of Toys

PASS

- Labeling requirement (CE mark, Manufacture/Importer mark and product identification)—Directive 2009/48/EC Safety of toys

REFER TO
NEXT PAGES

- EN 71-3:2019+A1:2021 Migration of certain elements

PASS

For chemical test, the tested component(s) is/are identified by the applicant.

***** For further details, please refer to the following page(s)*****

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1) ASTM F963-23 Standard Consumer Safety Specification for Toy Safety**▼ Mechanical and Physical test**

As specified in ASTM F963-23 standard consumer safety specification for toy safety.

<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
4.	Safety Requirements	
4.1	Material Quality.....	Pass
4.3	Toxicology	
4.3.7	Stuffing Materials.....	N/A
4.5	Sound-producing Toys.....	N/A
4.6	Small Objects.....	N/A
4.6.1	Toys that are intended for children under 36 months of age.....	N/A
4.6.2	Mouth-Actuated Toys.....	N/A
4.6.3	Toys and games that are intended for use by children who at least three years old but less than six years of age.....	N/A
4.7	Accessible Edges.....	Pass
4.8	Projections.....	N/A
4.9	Accessible Points.....	Pass
4.10	Wires or Rods	N/A
4.11	Nails and Fasteners.....	N/A
4.12	Plastic Film.....	Pass
4.13	Folding Mechanisms and Hinges	
4.13.1	Folding Mechanisms.....	N/A
4.13.2	Hinge-line Clearance.....	N/A
4.14	Cords, Straps, and Elastics.....	N/A
4.15	Stability and Over-Load Requirements.....	N/A
4.16	Confined Spaces.....	N/A
4.17	Wheels, Tires, and Axles.....	N/A
4.18	Holes, Clearance, and Accessibility of Mechanisms.....	N/A
4.19	Simulated Protective Devices.....	N/A
4.20	Pacifiers.....	N/A
4.21	Projectile Toys.....	N/A
4.22	Teethers and Teething Toys.....	N/A
4.23	Rattles.....	N/A
4.24	Squeeze Toys.....	N/A
4.25	Battery-operated Toys.....	N/A
4.26	Toys Intended to be Attached to a Crib or Playpen.....	N/A

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4.27	Stuffed and Beanbag-Type Toys.....	N/A
4.28	Stroller and Carriage Toys.....	N/A
4.29	Art Materials.....	N/A
4.30	Toy Gun Marking.....	N/A
4.31	Balloons.....	N/A
4.32	Certain Toys with Nearly Spherical Ends.....	N/A
4.33	Marbles.....	N/A
4.34	Balls.....	N/A
4.35	Pompoms.....	N/A
4.36	Hemispheric-Shaped Objects.....	N/A
4.37	Yo Yo Elastic Tether Toys.....	N/A
4.38	Magnets.....	N/A
4.39	Jaw Entrapment in Handles and Steering Wheels.....	N/A
4.40	Expanding Materials.....	N/A
4.41	Toy Chests.....	N/A
5.	Labeling Requirements	
5.1	Federal Government Requirements.....	Pass
5.2	Age Grading Labeling.....	Pass
5.3	Safety Labeling Requirements.....	Pass
5.4	Aquatic Toys.....	Pass
5.5	Crib and Playpen Toys.....	N/A
5.6	Mobiles.....	N/A
5.7	Stroller and Carriage Toys.....	N/A
5.8	Toys Intended to be Assembled by an Adult.....	N/A
5.9	Stimulated Protective Devices.....	N/A
5.10	Toys with Functional Sharp Edges or Points.....	N/A
5.11	Small Objects, Small Balls, Marbles, and Balloons.....	N/A
5.12	Art Materials.....	N/A
5.13	Electric Toys.....	N/A
5.14	Battery-operated Toys.....	N/A
5.15	Promotional Materials.....	Pass
5.16	Magnets.....	N/A
6.	Instructional Literature	
6.1	Definition and description	N/A
6.2	Crib and Playpen Toys.....	N/A
6.3	Mobiles.....	N/A

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6.4	Toys Intended to be Assembled by an Adult.....	N/A
6.5	Battery-Operated Toys.....	N/A
6.6	Battery-powered Ride-on Toys.....	N/A
6.7	Toys in Contact with Food.....	N/A
6.8	Toy Chests.....	N/A
6.9	The instructional material for toys.....	N/A
7.	Producer's Markings	
7.1	Producer's Markings.....	Pass
7.2	Battery-Powered Ride-on Toys.....	N/A
7.3	Toy Chests.....	N/A
8.	Test Methods	

N/A = Not Applicable

▼ Clause 4.2 Flammability of toys

As specified in ASTM F963-23 standard consumer safety specification for toy safety.

Flammability Test on Solid

<u>Burning Rate (inch/sec)</u>	<u>Limit (inch/sec)</u>
DNI	0.1

-- DNI = Did Not Ignite

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▼ Clause 4.3.5 Total Lead content in substrate materials

Test Method: ASTM F963-23 Clause 8.3; Test Equipment: ICP-OES

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	001+002		
Total Lead (Pb)	N.D.	5	100

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- The limit for composite test should be divided by the mixed number.

▼ Clause 4.3.5 Heavy elements – Migration of certain elements

Method(s) ASTM F963-23 Clause 8.3 was/were used, and the item(s) was/were analyzed by ICP-OES.

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	001		
Soluble Antimony (Sb)	N.D.	5	60
Soluble Arsenic (As)	N.D.	2.5	25
Soluble Barium (Ba)	N.D.	5	1000
Soluble Cadmium (Cd)	N.D.	5	75
Soluble Chromium (Cr)	N.D.	2.5	60
Soluble Lead (Pb)	N.D.	5	90
Soluble Mercury (Hg)	N.D.	2.5	60
Soluble Selenium (Se)	N.D.	5	500

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- Results shown of soluble elements are of adjusted analytical results by subtracting analytical Correction factor

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▼ Clause 4.3.8 Phthalates content

Test Method: CPSC-CH-C1001-09.4; Test Equipment: GC-MS

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	001+002		
Di-2-ethylhexyl Phthalate (DEHP)	N.D.	30	1000
Dibutyl Phthalate (DBP)	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	N.D.	30	1000
Diisononyl Phthalate (DINP)	N.D.	50	1000
Di-n-Pentyl Phthalate (DPP/DPENP)	N.D.	30	1000
Dicyclohexyl Phthalate (DCHP)	N.D.	30	1000
Di-isobutyl Phthalate (DIBP)	N.D.	30	1000
Di-n-hexyl Phthalate (DnHP/DHEXP)	N.D.	30	1000

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- 1000mg/kg = 0.1%
- The limit for composite test should be divided by the mixed number.

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2) US Consumer Product Safety Improvement Act of 2008 (CPSIA) with amendment (H.R.2715)**▼ SEC.103 Tracking labels for children's products.....Pass**

As specified in section 103 of Consumer Product Safety Improvement Act 2008(CPSIA).

▼ Sec.101 Lead in substrate materials of children's products

Method(s)CPSC-CH-E1001-08.3/CPSC-CH-E1002-08.3was/were used, and the item(s) was/were analyzed by ICP-OES.

<u>Tested Item(s)</u>	<u>Result</u> (mg/kg)	<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	001+002		
Total Lead (Pb)	N.D.	5	100

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- The limit for composite test should be divided by the mixed number.

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▼ **Sec.108 Prohibition on sale of certain products containing specified phthalates**

Method(s) CPSC-CH-C1001-09.4 was/were used, and the item(s) was/were analyzed by GC-MS.

Tested Item(s)	Result (mg/kg)	MDL (mg/kg)	Limit (mg/kg)
	001+002		
Di-2-ethylhexyl Phthalate (DEHP)	N.D.	30	1000
Dibutyl Phthalate (DBP)	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	N.D.	30	1000
Diisononyl Phthalate (DINP)	N.D.	50	1000
Di-n-Pentyl Phthalate (DPP/DPENP)	N.D.	30	1000
Dicyclohexyl Phthalate (DCHP)	N.D.	30	1000
Di-isobutyl Phthalate (DIBP)	N.D.	30	1000
Di-n-hexyl Phthalate (DnHP/DHEXP)	N.D.	30	1000

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- 1000 mg/kg = 0.1%
- The limit for composite test should be divided by the mixed number.

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3) Title 16, Code of Federal Regulations, Chapter II – Consumer Products Safety Commission

▼ Mechanical & Physical (16 CR 1500.48, 16 CFR 1500.49 & 16 CFR 1501)

Tested Item(s)	Sharp point (1500.48)	Sharp edge (1500.49)	Small part (1501)
As Received	Pass	N/A	N/A
Impact Test (Sec. 1500. 53b)	Pass	N/A	N/A
Bite Test (Sec. 1500. 53c)	N/A	N/A	N/A
Flexure Test (Sec. 1500. 53d)	N/A	N/A	N/A
Torque Test (Sec. 1500. 53e)	Pass	N/A	N/A
Tension Test (Sec. 1500. 53f)	Pass	N/A	N/A
Compression Test (Sec. 1500. 53g)	Pass	N/A	N/A
Seam tension (Sec. 1500. 53f)	N/A	N/A	N/A

N/A = Not Applicable

▼ 16 CFR 1500.44 Method for determining extremely flammable and flammable solids.

As Specified In Title 16 Part 1500.44 Code of Federal Regulations U.S.A

Sample	<u>Burning Rate (inch/sec)</u>	<u>Limit (inch/sec)</u>
Inflatable Suntan	DNI	0.1

-- DNI = Did Not Ignite

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4) European Standard on Safety of Toys**▼ Mechanical and physical properties**

As specified in European Standard on Safety of Toys EN 71-1:2014+A1:2018 (E)

<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
4	General requirements	
4.1	Material cleanliness.....	Pass
4.2	Assembly.....	N/A
4.3	Flexible plastics sheeting.....	Pass
4.4	Toy bags	N/A
4.5	Glass	N/A
4.6	Expanding materials	N/A
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
4.9	Protruding parts	N/A
4.10	Parts moving against each other:	
4.10.1	Folding and sliding mechanisms	N/A
4.10.2	Driving mechanisms	N/A
4.10.3	Hinges	N/A
4.10.4	Springs	N/A
4.11	Mouth-actuated toys and other toys intended to be put in the mouth.....	N/A
4.12	Balloons	N/A
4.13	Cords of toy kites and other flying toys	N/A
4.14	Enclosures:	
4.14.1	Toys which a child can enter	N/A
4.14.2	Masks and helmets	N/A
4.15	Toys intended to bear the mass of a child:	
4.15.1	Toys propelled by the child or by other means	N/A
4.15.2	Toy bicycles.....	N/A
4.15.3	Rocking horses and similar toys	N/A
4.15.4	Toys not propelled by a child	N/A
4.15.5	Toys scooters.....	N/A
4.16	Heavy immobile toys	N/A
4.17	Projectiles toys	N/A

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4.18	Aquatic toys and inflatable toys.....	Pass (EX for Requirements for EN 15649- 3:2009+A1:2012)
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	N/A
4.20	Acoustics	N/A
4.21	Toys containing a non-electrical heat source	N/A
4.22	Small balls	N/A
4.23	Magnets.....	N/A
4.24	Yo-yo balls.....	N/A
4.25	Toys attached to food.....	N/A
4.26	Toy Disguise Costumes.. ..	N/A
4.27	Flying toys.....	N/A
5	Toys intended for children under 36 months	
5.1	General requirements.....	N/A
5.2	Soft-filled toys and soft-filled parts of a toy	N/A
5.3	Plastic sheeting	N/A
5.4	Cords, chains and electrical cables in toys.....	N/A
5.5	Liquid-filled toys	N/A
5.6	Speed limitation of electrically-driven ride-on toys.....	N/A
5.7	Glass and porcelain	N/A
5.8	Shape and size of certain toys	N/A
5.9	Toys comprising monofilament fibres	N/A
5.10	Small balls.....	N/A
5.11	Play figures.....	N/A
5.12	Hemispheric-shaped toys.....	N/A
5.13	Suction cups.....	N/A
5.14	Straps intended to be worn fully or partially around the neck	N/A
5.15	Sledges with cords for pulling	N/A
6	Packaging	Pass
7	Warnings ,markings and instructions for use	
7.1	General	Pass
7.2	Toys not intended for children under 36 months	N/A
7.3	Latex balloons	N/A

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7.4	Aquatic toys	Pass
7.5	Functional toys	N/A
7.6	Hazardous sharp functional edges and points	N/A
7.7	Projectiles Toys	N/A
7.8	Imitation protective masks and helmets	N/A
7.9	Toy kites	N/A
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys.....	N/A
7.11	Toys intended to be attached to or strung across a cradle, cot, or perambulator..	N/A
7.12	Liquid-filled teethingers	N/A
7.13	Percussion caps specifically designed for use in toys	N/A
7.14	Acoustics	N/A
7.15	Toy bicycles	N/A
7.16	Toys intended to bear the mass of a child	N/A
7.17	Toys comprising monofilament fibres	N/A
7.18	Toy scooters	N/A
7.19	Rocking horses and similar toys.....	N/A
7.20	Magnetic/electrical experimental sets.....	N/A
7.21	Toys with electrical cables exceeding 300 mm in length.....	N/A
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months.....	N/A
7.23	Toys intended to be attached to cradle, cot or perambulator.....	N/A
7.24	Sledges with cords for pulling.....	N/A
7.25	Flying toys.....	N/A
7.26	Improvised projectiles.....	N/A

N/A = Not Applicable

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▼ Flammability of Toys

As specified in European Standard on Safety of Toys EN 71-2: 2020.

<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
4	Requirements	
4.1	General (The following materials shall not be used in the manufacture of toys except as provided in EN 71-2:2020 : Celluloid, highly flammable solids, materials with a piled surface which produce surface flash, flammable gases, extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels.)	Pass
4.2	Toys to be worn on the head	N/A
4.3	Toys Disguise Costumes And Toys Intended To Be Worn By A Child In Play ...	N/A
4.4	Toys Intended to be Entered by a Child	N/A
4.5	Soft-filled toys	N/A

N/A = Not Applicable

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▼ Labeling requirement (CE mark, importer / manufacturer name and address, product identification) according to the Directive 2009/48/EC – Safety of toys

Summary table:

	Observation Result	Location
CE mark	Found	Toy/Packaging
Importer's Name & Address	Found	Toy/Packaging
Manufacturer's Name & Address	Found	Toy/Packaging
Product ID	Found	Toy/Packaging

Note:

①: Toys made available on the market must bear the CE marking. The CE marking must be subject to the general principle set out in Article 30 of Regulation (EC) NO 765/2008. The CE marking must be affixed visibly, legibly and indelibly to the toy, to an affixed label or to the packaging. In the case of small toys and toys consisting of small parts, the CE marking may alternatively be affixed to a label or an accompanying leaflet. Where, in the case of toys sold in counter displays, that is not technically possible, and on condition that the counter display was originally used as packaging for the toy, the CE marking may be affixed to the counter display. Where the CE marking is not visible from outside the packaging, if any, it shall as a minimum be affixed to the packaging. Where specific legislation does not impose specific dimensions, the CE marking must be at least 5 mm high.

②: The manufacturer's name registered trade name or registered trade mark and the address at which the manufacture can be contacted must be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy. This requirement applies also to the name and address etc. of any importer.

③: Manufacturer must ensure that their toys bear a type, batch, serial or model number or other element allowing their identification, or where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.

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▼ **Migration of certain elements**

Method(s) EN 71-3:2019+A1:2021 was/were used, and the item(s) was/were determined by ICP-OES, ICP-MS, IC-UV and/or GC-MS.

Category III:scraped-off toy material

<u>Tested Item(s)</u>	<u>Result</u> (mg/kg)	<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	001		
Aluminium (Al)	N.D.	50	28130
Antimony (Sb)	N.D.	5	560
Arsenic (As)	N.D.	5	47
Barium (Ba)	N.D.	50	18750
Boron (B)	N.D.	50	15000
Cadmium (Cd)	N.D.	1	17
Chromium (III) ^{#1}	N.D.	1	460
Chromium (VI)	N.D.	0.002	0.053
Cobalt (Co)	N.D.	5	130
Copper (Cu)	N.D.	50	7700
Lead (Pb)	N.D.	5	23
Manganese (Mn)	N.D.	50	15000
Mercury (Hg)	N.D.	5	94
Nickel (Ni)	N.D.	5	930
Selenium (Se)	N.D.	5	460
Strontium (Sr)	N.D.	50	56000
Tin (Sn) ^{#2}	N.D.	2	180000
Organic tin (TBT) ^{#3}	--	0.05	12
Zinc (Zn)	N.D.	50	46000

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Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- ^{#1}Trivalent chromium (Cr (III)) = Chromium (Cr) - Hexavalent chromium (Cr (VI)).
- ^{#2}Tin (Sn) content can be used for screen test for organic tins analysis to show compliance with the requirement of EN 71-3:2019+A1:2021.
- ^{#3}The migration of organic tin is expressed as tributyltin (TBT). Where the tin content exceeded the limit of organic tin, eleven organic tins listed in the table were determined by GC-MS and the client should note there are other organic tins that may be present in toy materials.

Organic tins tested under EN 71-3:2019+A1:2021
Methyl tin (MeT)
Butyl tin (BuT)
Dibutyl tin (DBT)
Tributyl tin (TBT)
Tetrabutyl tin (TeBT)
n-Octyl tin (MOT)
Di-n-octyl tin (DOT)
Di-n-propyl tin (DProT)
Diphenyl tin (DPhT)
Triphenyl tin (TPhT)
Dimethyltin (DMT)

Sample/Part Description

No.	CTI Sample ID	Description
1	001	Light blue plastic film(main body)
2	002	Transparent plastic film(main body)

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Photo(s) of the sample(s)



Statement:

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 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 / CNAS-GL015:2022;
5. Without written approval of CTI, this report can't be reproduced except in full.

*** End of Report ***