



Test
TS EN ISO/IEC 17025
AB-0716-T

AB-0716-T
TURT240010203_ REVISED01
06-24

TEST REPORT

Page 1 of 16

REPORT NUMBER : TURT240010203_REVISED01
APPLICANT NAME **Bigpoint Kırtasiye San. ve Tic.Ltd.Şti.**
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Tel: 0212 551 00 92 Fax:0212 551 09 57
Attention : Efe Yüksel (efe@bigpoint.com.tr)
SAMPLE DESCRIPTION : Two samples of Lotte 12 Colour Watercolor
DATE IN: 19 January, 2024 (17:02)
RESUBMIT DATE: 25 June, 2024
DATE OUT : 30 January, 2024 / 25 June, 2024
TESTED MODEL NO : LT757
CLAIMED MODEL NO : LT757
IMPORTER : BIGPOINT KIRTASIYE SAN. VE TIC. LTD. STI.
MANUFACTURER : WUYI LIHUA STATIONERY GOODS CO.,LTD
CHINA
COUNTRY OF ORIGIN :
NOTE : In this revised 01 report, Part list was edited by the request of the applicant.
This report replaced the report no TURT240010203 dated on 30 January, 2024 and must be used instead of it.
Report no TURT240010203 dated on 30 January, 2024 is invalid.

Melis EVCİ
Customer Care Executive

Kerem CAN
Consumer Products Operational
Excellence Director

İsmail AVCIOĞLU
Textile Laboratory Manager

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240010203_REVISED01

RESULTS

REPORT : TURT240010203_REVISED01

25 June, 2024

TEST	Sample
SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES	P
SAFETY OF TOYS – PART 2: FLAMMABILITY	P
SAFETY OF TOYS – PART 3: MIGRATION OF CERTAIN ELEMENTS	P
PHTHALATE CONTENT	P
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) ANALYSIS	P

P = MEETS BUYER' S REQUIREMENT / F = DOES NOT MEET BUYER' S REQUIREMENT / NR = NO REQUIREMENT / SC=STILL CONTINUES / X=NOT PERFORMED / NA = NOT APPLICABLE/ LS : LACK OF SAMPLE

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RESULTS

REPORT : TURT240010203_REVISED01

25 June, 2024

SAMPLE	Lotte 12 Colour Watercolor
PARTS	
1	Transparent hard plastic cover
2	Navy hard plastic body
3	Blue hard plastic stick
4	Black plastic brush tip
5	Pink watercolor
6	White watercolor
7	Green watercolor
8	Dark green watercolor
9	Yellow watercolor
10	Orange watercolor
11	Blue watercolor
12	Dark blue watercolor
13	Red watercolor
14	Purple watercolor
15	Black watercolor
16	Brown watercolor

Remark: Only suitable parts tested for the related tests.

RESULTS

Page 4 of 16

REPORT : TURT240010203_REVISED01

25 June, 2024

SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES

BS EN 71 – 1: 2014 + A1 : 2018

The item was labelled: "UYARI! BOĞULMA TEHLİKESİ. Küçük parçalar 3 yaşından küçük çocuklar için uygun değildir."
"WARNING! (WARNING! CHOKING HAZARD Small parts. Not suitable for children under 3 years old."

The item was tested for children aged over 36 months.

The item was packaging in a cardboard box which was considered to be disposable.

SECTION	TEST	RESULTS
4	General Requirements	
4.1	Material	Pass
4.2	Assembly	NA
4.3	Flexible Plastic Sheeting	NA
4.4	Toy Bags	NA
4.5	Glass	NA
4.6	Expanding Materials	NA
4.7	Edges	Pass
4.8	Point & Metallic Wires	Pass
4.9	Protruding Parts	NA
4.10	Parts Moving Against Each Other	NA
4.11	Mouth-actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cords of Toy Kites and Other Flying Toys	NA
4.14	Enclosures	NA
4.15	Toys Intended to Bear the Mass of a Child	NA
4.16	Heavy immobile toys	NA
4.17	Projectile Toys	NA
4.18	Aquatic Toys and Inflatable Toys	NA
4.19	Percussion caps specifically designed for use in toys & toys using percussion caps	NA
4.20	Acoustics	NA
4.21	Toys containing a non-electrical heat source	NA
4.22	Small Balls	NA
4.23	Magnets	NA

RESULTS

REPORT : TURT240010203_REVISED01

25 June, 2024

SECTION	TEST	RESULTS
4.24	Yo-Yo Balls	NA
4.25	Toys Attached to Food	NA
4.26	Toy Disguise Costumes	NA
4.27	Flying toys	NA
5	Toys Intended For Children Under 36 Months	NA
6	Packaging	NA
7	Warning and Instruction for Use	
7.1	General #	Pass
7.2	Toys not intended for children under 36 months	Pass
7.3	Latex Balloons	NA
7.4	Aquatic Toys	NA
7.5	Functional Toys	NA
7.6	Hazardous Sharp Functional Edges and Point	NA
7.7	Projectile Toys	NA
7.8	Imitation Protective Mask and Helmets	NA
7.9	Toy Kites	NA
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	NA
7.11	Toys otherwise intended to be strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled Teethers	NA
7.13	Percussion Caps Specifically Designed for Use in Toys	NA
7.14	Acoustics	NA
7.15	Toy Bicycles	NA
7.16	Toys Intended to Bear the Mass of a Child	NA
7.17	Toys Comprising Monofilament Fibres	NA
7.18	Toy Scooters	NA
7.19	Rocking horses and similar toys	NA
7.20	Magnetic/electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300 mm in length	NA

RESULTS

REPORT : TURT240010203_REVISED01

25 June, 2024

SECTION	TEST	RESULTS
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA
7.23	Toys intended to be attached to a cradle, cot or perambulator	NA
7.24	Sledges with cords for pulling	NA
7.25	Flying toys	NA
7.26	Improvised projectiles	NA
A.55	Toys attached to food	NA

R E S U L T S

REPORT : TURT240010203_REVISED01

25 June, 2024

Requirements of clause 7.1 is as below. Only requirements that can be checked (as summited) were considered.

Warnings on toys shall not be misleading or incorrect. Toys intended for children under 36 months shall comply with the requirements in Clause 5. A warning on a toy or its packaging does not release the manufacturer or his authorized representative from the obligation to meet these requirements. A toy shall not bear a warning that conflicts with the intended use of the toy, as determined by virtue of its function, dimension and characteristics.

The warnings shall be preceded by the words "Warning" or "Warnings", as appropriate (i.e. instead of repeating the word "Warning" before each warning when several of the warnings in Clause 7 are present, the word "Warnings" may be used once). The word "Warning" or "Warnings" may be followed by punctuation, e.g. an exclamation mark.

The manufacturer shall mark the warnings in a clearly visible, easily legible and understandable and accurate manner on the toy, on an affixed label or on the packaging and, if appropriate, include the warnings in the instructions for use.

Manufacturers shall for that purpose consider the good practice given in A.33.

In the following clauses, the location of the warnings is therefore indicated (on the toy itself, on the packaging, in the instructions for use, on an accompanying leaflet). Warnings which determine the decision to purchase the toy shall appear on the consumer packaging or be otherwise clearly visible to the consumer before the purchase.

Small toys that are sold without packaging (for example from a display box or from a vending machine) shall have the appropriate warnings affixed to them. In all cases the warning shall be clearly legible at the point of sale. It is not sufficient to place the warning(s) only on a display box.

For information, it should be noted that the requirement that certain warnings shall be "clearly visible to the consumer at the time of purchase" applies also in cases where the purchase is made on line (e.g. internet) or by catalogue or by other means where the buyer does not have access to the toy at the time of purchase.

In the following subclauses a requirement, that a toy shall carry a warning shall mean that the warning shall appear on the toy itself.

NOTE:

The text of this note is for information only and the indents do not constitute requirements of this European Standard. The information is not exhaustive and Directive 2009/48/EC and the associated guidance documents should be consulted for further details.

The toy or, its packaging or document accompanying must be labelled with:

- The name and address of the manufacturer** **(Not Present)**
- The name and address of the importer.** **(Present)**
- Type, batch, serial or model number or other element allowing of toy identification **(Present)**
- A CE mark in the correct shape and size. **(Present)**
- Warning and other information should be in the national language(s) of the countries where the toy is marketed.

** In the case of the toy sell in European countries, the toy, its packaging or document accompanying must be labelled with the name and address of the manufacturer and importer.

***English and Turkish language were checked.

Estimated Total Uncertainty = ($\pm 19.9\%$)

RESULTS

REPORT : TURT240010203_REVISED01

SAFETY OF TOYS – PART 2: FLAMMABILITY

BS EN 71-2 : 2020

SECTION	TEST	RESULTS
4.1	General	
	Celluloid (cellulose nitrate) and materials with same burning behaviour in fire	Pass
	Materials with a piled surface which produce surface flash	NA
	Flammable gases, extremely flammable liquids, highly flammable liquids, flammable liquids, flammable gels	NA
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft filled toys	NA

The test results thus obtained can not be considered as providing an overall indication of the potential fire hazard of toys or materials when subjected to other sources of ignition.

Estimated Total Uncertainty = (±18.6%)

RESULTS

REPORT : TURT240010203_REVISED01

25 June, 2024

SAFETY OF TOYS – PART 3: MIGRATION OF CERTAIN ELEMENTS

BS EN 71 3+A1

Acid extraction method was used and migration elements content were determined by Inductively Coupled Plasma (ICP-MS)

	Results (mg/kg)				Detection Limit (mg/kg)	Requirements (mg/kg) Category III
	Part 1	Part 2	Part 3	Part 4		
Antimony (Sb)	ND	ND	ND	ND	0,125	560
Arsenic (As)	ND	ND	ND	ND	0,125	47
Barium (Ba)	ND	ND	ND	ND	0,125	18750
Cadmium (Cd)	ND	ND	ND	ND	0,125	17
Chromium (Cr)	ND	ND	ND	ND	0,125	460
Chromium (VI)	ND	ND	ND	ND	0,025	0,053
Lead (Pb)	ND	ND	ND	ND	0,125	23
Mercury (Hg)	ND	ND	ND	ND	0,0125	94
Selenium (Se)	ND	ND	ND	ND	0,125	460
Aluminium (Al)	0.2	0.4	0.3	0.2	0,125	28130
Boron (B)	ND	ND	ND	ND	0,125	15000
Cobalt (Co)	ND	ND	ND	ND	0,125	130
Copper (Cu)	ND	ND	ND	ND	0,125	7700
Manganese (Mn)	ND	ND	ND	ND	0,125	15000
Nickel (Ni)	0.2	0.3	0.2	ND	0,125	930
Strontium (Sr)	0.2	0.4	0.5	ND	0,125	56000
Tin (Sn)	ND	ND	ND	ND	0,02	180000
Organic tin Δ	ND	ND	ND	ND	0,125	12
Zinc (Zn)	0.5	0.8	0.6	ND	0,125	46000

Δ = Confirmation test was performed on the tested component. The reported value was the sum of the migration values of Dimethyl tin, Methyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n- Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin and Triphenyl tin after converted to Tributyl tin by calculation.

ppm (Part per million)
ND
(Estimated Total Uncertainty)

=mg / kg
=Not Detected
= Paper - Cr VI: $\pm 10\%$, Org. Tin: $\pm 25\%$, Others: $\pm 22\%$
Scrapable Coating - Cr VI: $\pm 10\%$, Org. Tin: $\pm 25\%$, Others: $\pm 22\%$
Metal - Cr VI: $\pm 10\%$, Org. Tin: $\pm 26\%$, Others: $\pm 22\%$
Crayons - Cr VI: $\pm 10\%$, Org. Tin: $\pm 26\%$, Others: $\pm 21\%$
Plastik - Cr VI: $\pm 14\%$, Org. Tin: $\pm 24\%$, Others: $\pm 23\%$
Liquid Paint - Cr VI: $\pm 13\%$, Org. Tin: $\pm 26\%$, Others: $\pm 22\%$
Textile - Cr VI: $\pm 15\%$, Org. Tin: $\pm 25\%$, Others: $\pm 23\%$

RESULTS

REPORT : TURT240010203_REVISED01

25 June, 2024

SAFETY OF TOYS – PART 3: MIGRATION OF CERTAIN ELEMENTS

BS EN 71 3+A1

Acid extraction method was used and migration elements content were determined by Inductively Coupled Plasma (ICP-MS)

	Results (mg/kg)				Detection Limit (mg/kg)	Requirements (mg/kg) Category I
	Part 5	Part 6	Part 7	Part 8		
Antimony (Sb)	ND	ND	ND	ND	0,125	45
Arsenic (As)	0.5	0.3	0.4	0.2	0,125	3,8
Barium (Ba)	5.5	2.6	4.6	2.9	0,125	1500
Cadmium (Cd)	0.2	ND	0.2	ND	0,125	1,3
Chromium (Cr)	1.7	1.1	0.9	0.7	0,125	37,5
Chromium (VI)	ND	ND	ND	ND	0,0025	0,02
Lead (Pb)	0.4	0.4	0.4	0.3	0,125	2,0
Mercury (Hg)	ND	ND	ND	ND	0,0125	7,5
Selenium (Se)	ND	ND	ND	ND	0,125	37,5
Aluminium (Al)	193.4	353.2	14.7	23.7	0,125	2250
Boron (B)	0.6	0.4	0.3	0.2	0,125	1200
Cobalt (Co)	ND	ND	0.2	ND	0,125	10,5
Copper (Cu)	0.5	0.3	0.8	2.3	0,125	622,5
Manganese (Mn)	52.2	39	92	47.3	0,125	1200
Nickel (Ni)	1.2	0.9	1.3	0.8	0,125	75
Strontium (Sr)	161.5	115.5	95.9	90	0,125	4500
Tin (Sn)	ND	ND	ND	ND	0,02	15000
Organic tin Δ	ND	ND	ND	ND	0,125	0,9
Zinc (Zn)	7.6	8.9	4.5	3.5	0,125	3750

Δ = Confirmation test was performed on the tested component. The reported value was the sum of the migration values of Dimethyl tin, Methyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n- Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin and Triphenyl tin after converted to Tributyl tin by calculation.

ppm (Part per million)
ND
(Estimated Total Uncertainty)

=mg / kg
=Not Detected
= Paper - Cr VI: $\pm 10\%$, Org. Tin: $\pm 25\%$, Others: $\pm 22\%$
Scrapable Coating - Cr VI: $\pm 10\%$, Org. Tin: $\pm 25\%$, Others: $\pm 22\%$
Metal - Cr VI: $\pm 10\%$, Org. Tin: $\pm 26\%$, Others: $\pm 22\%$
Crayons - Cr VI: $\pm 10\%$, Org. Tin: $\pm 26\%$, Others: $\pm 21\%$
Plastik - Cr VI: $\pm 14\%$, Org. Tin: $\pm 24\%$, Others: $\pm 23\%$
Liquid Paint - Cr VI: $\pm 13\%$, Org. Tin: $\pm 26\%$, Others: $\pm 22\%$
Textile - Cr VI: $\pm 15\%$, Org. Tin: $\pm 25\%$, Others: $\pm 23\%$

RESULTS

REPORT : TURT240010203_REVISED01

25 June, 2024

SAFETY OF TOYS – PART 3: MIGRATION OF CERTAIN ELEMENTS

BS EN 71 3+A1

Acid extraction method was used and migration elements content were determined by Inductively Coupled Plasma (ICP-MS)

	Results (mg/kg)				Detection Limit (mg/kg)	Requirements (mg/kg) Category I
	Part 9	Part 10	Part 11	Part 12		
Antimony (Sb)	ND	ND	ND	ND	0,125	45
Arsenic (As)	0.2	0.2	0.4	0.5	0,125	3,8
Barium (Ba)	7.7	609.1	6.7	12.8	0,125	1500
Cadmium (Cd)	0.2	0.2	0.2	0.2	0,125	1,3
Chromium (Cr)	0.8	0.8	1.3	1.4	0,125	37,5
Chromium (VI)	ND	ND	ND	ND	0,0025	0,02
Lead (Pb)	0.2	0.3	0.3	0.3	0,125	2,0
Mercury (Hg)	ND	ND	ND	ND	0,0125	7,5
Selenium (Se)	ND	ND	ND	ND	0,125	37,5
Aluminium (Al)	15.3	19.4	139.2	142.9	0,125	2250
Boron (B)	0.2	0.2	0.3	0.4	0,125	1200
Cobalt (Co)	ND	ND	ND	ND	0,125	10,5
Copper (Cu)	ND	ND	2.1	5.5	0,125	622,5
Manganese (Mn)	62.8	57.9	38.7	56.4	0,125	1200
Nickel (Ni)	0.9	0.8	0.9	1.2	0,125	75
Strontium (Sr)	108.5	104.5	124.8	119.9	0,125	4500
Tin (Sn)	ND	ND	ND	ND	0,02	15000
Organic tin Δ	ND	ND	ND	ND	0,125	0,9
Zinc (Zn)	2.7	1.8	2.4	2.6	0,125	3750

Δ = Confirmation test was performed on the tested component. The reported value was the sum of the migration values of Dimethyl tin, Methyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n- Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin and Triphenyl tin after converted to Tributyl tin by calculation.

ppm (Part per million)
ND
(Estimated Total Uncertainty)

=mg / kg
=Not Detected
= Paper - Cr VI: $\pm 10\%$, Org. Tin: $\pm 25\%$, Others: $\pm 22\%$
Scrapable Coating - Cr VI: $\pm 10\%$, Org. Tin: $\pm 25\%$, Others: $\pm 22\%$
Metal - Cr VI: $\pm 10\%$, Org. Tin: $\pm 26\%$, Others: $\pm 22\%$
Crayons - Cr VI: $\pm 10\%$, Org. Tin: $\pm 26\%$, Others: $\pm 21\%$
Plastik - Cr VI: $\pm 14\%$, Org. Tin: $\pm 24\%$, Others: $\pm 23\%$
Liquid Paint - Cr VI: $\pm 13\%$, Org. Tin: $\pm 26\%$, Others: $\pm 22\%$
Textile - Cr VI: $\pm 15\%$, Org. Tin: $\pm 25\%$, Others: $\pm 23\%$

RESULTS

REPORT : TURT240010203_REVISED01

25 June, 2024

SAFETY OF TOYS – PART 3: MIGRATION OF CERTAIN ELEMENTS

BS EN 71 3+A1

Acid extraction method was used and migration elements content were determined by Inductively Coupled Plasma (ICP-MS)

	Results (mg/kg)				Detection Limit (mg/kg)	Requirements (mg/kg) Category I
	Part 13	Part 14	Part 15	Part 16		
Antimony (Sb)	ND	ND	ND	ND	0,125	45
Arsenic (As)	0.2	0.2	0.2	0.2	0,125	3,8
Barium (Ba)	342.9	515.5	2.9	3.5	0,125	1500
Cadmium (Cd)	0.2	0.2	0.2	0.2	0,125	1,3
Chromium (Cr)	0.7	0.7	0.7	0.7	0,125	37,5
Chromium (VI)	ND	ND	ND	ND	0,0025	0,02
Lead (Pb)	0.3	0.3	0.7	0.4	0,125	2,0
Mercury (Hg)	ND	0.1	ND	ND	0,0125	7,5
Selenium (Se)	ND	ND	ND	ND	0,125	37,5
Aluminium (Al)	21.9	164	15.7	18.9	0,125	2250
Boron (B)	0.2	0.2	ND	0.2	0,125	1200
Cobalt (Co)	ND	ND	ND	0.2	0,125	10,5
Copper (Cu)	ND	2.4	1	0.6	0,125	622,5
Manganese (Mn)	51.1	50.4	45.9	72.9	0,125	1200
Nickel (Ni)	0.8	0.8	2.3	1.2	0,125	75
Strontium (Sr)	598.9	108.6	89.1	83.3	0,125	4500
Tin (Sn)	ND	ND	ND	ND	0,02	15000
Organic tin Δ	ND	ND	ND	ND	0,125	0,9
Zinc (Zn)	1.6	1.7	2.8	2.4	0,125	3750

Δ = Confirmation test was performed on the tested component. The reported value was the sum of the migration values of Dimethyl tin, Methyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n- Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin and Triphenyl tin after converted to Tributyl tin by calculation.

ppm (Part per million)
ND
(Estimated Total Uncertainty)

=mg / kg
=Not Detected
= Paper - Cr VI: $\pm 10\%$, Org. Tin: $\pm 25\%$, Others: $\pm 22\%$
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Crayons - Cr VI: $\pm 10\%$, Org. Tin: $\pm 26\%$, Others: $\pm 21\%$
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RESULTS

REPORT : TURT240010203_REVISED01

PHTHALATE CONTENT

IHTM AL.2.026 based on EN 14372

	CAS No	Part 1&2&3	Part 4
DIBUTYL PHTHALATE (DBP)	84-74-2	ND	ND
DIETHYL HEXYL PHTHALATE (DEHP)	117-81-7	ND	ND
BENZYL BUTYL PHTHALATE (BBP)	85-68-7	ND	ND
DI-ISO-BUTYL PHTHALATE (DIBP)	84-69-5	ND	ND
SUM OF FOUR PHTHALATES		ND	ND
DI-ISO-NONYL PHTHALATE (DINP)	28553-12-0	ND	ND
DI-N-OCTYL PHTHALATE (DNOP)	117-84-0	ND	ND
DI-ISO-DECYL PHTHALATE (DIDP)	26761-40-0	ND	ND
SUM OF THREE PHTHALATES		ND	ND

ND =Not Detected
 ppm (part per million) =mg / kg
 Detection Limit =DIDP, DINP: 100 ppm, Other Phthalates: 10 ppm
 LIMIT =DBP,DEHP,BBP,DIBP < 1000 ppm ; DINP, DNOP, DIDP < 1000 ppm

(Estimated Total Uncertainty = ±18%)

RESULTS

Page 14 of 16

REPORT : TURT240010203_REVISED01

25 June, 2024

POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) ANALYSIS

IHTM AL.2.032 based on AfPS GS & EN 17132 by GC-MS

	Part 1&2&3	RESULT (mg/kg)	REQUIREMENT
1	Benzo (a) pyrene	Not Detected	0.5 ppm
2	Benzo (e) pyrene	Not Detected	0.5 ppm
3	Benzo (a) anthracene	Not Detected	0.5 ppm
4	Benzo (b) fluoranthene	Not Detected	0.5 ppm
5	Benzo (j) fluoranthene	Not Detected	0.5 ppm
6	Benzo (k) fluoranthene	Not Detected	0.5 ppm
7	Chrysene	Not Detected	0.5 ppm
8	Dibenzo (a,h) anthracene	Not Detected	0.5 ppm

ppm (part per million) = mg / kg
Detection Limit = 0.1 ppm

Estimated Total Uncertainty = (Textile:±15%, Plastic:±17%)

RESULTS

REPORT : TURT240010203_REVISED01

SAMPLE PHOTOS



RESULTS

REPORT : TURT240010203_REVISED01

TESTED SAMPLE PHOTO



END OF TEST REPORT