

CERTIFICATE EC -TYPE EXAMINATION

Module: B

No. 211299487

issued in accordance with Article 20 to Directive 2009/48/EC

Manufacturer:

IGROTECO, LTD.
Stryiska str. 148, 79031 Lviv
Ukraine

Applicant:

IGROTECO, LTD.
Stryiska str. 148, 79031 Lviv
Ukraine

Identification of toy:

Wooden toys IGROTECO

Type:

Block set MINI 9 parts 900163
Sudoku for kids 16 parts 900514
Farm animals set 17 parts 900521
Building blocks CITY 18 parts 900538

This certificate TSÚ Piešťany, š.p. as Notified Body confirms the conformity the tested sample with the essential safety requirements of the following Directive as amended:

2009/48/EC Safety of toys


European harmonized standards used for the conformity assessment:

EN 71-1:2014+A1: 2018
EN 71-2:2020
EN 71-3:2019+A1:2021

Certificate has been issued on the basis of this document: Conformity assessment report No. 210500175/3 dated 08.12.2021

Issue date: 08.12.2021
Expiry date: 07.12.2026
Issue: 1




Ing. Dušan HANKO
on behalf of TSU Piešťany, š.p., NB 1299

This certificate is issued under the following conditions:

1. The certificate applies to the product type and its variations specified in the above mentioned Conformity Assessment report.
2. The production process/factory production control is not covered by this certificate.
3. The certificate does not imply that the certification body has performed any surveillance or control of the production process.
4. The manufacturer shall ensure the conformity of subsequent production items with the certified type.
5. Changes that may have an impact on maintaining conformity with the certification requirements may require confirmation of the validity of the certificate by demonstrating compliance with the conditions under which the certificate was issued or by conducting an additional evaluation.
6. The holder of this certificate must keep the conditions specified in the General Rules for Product Certification, which are freely available at www.tsu.eu



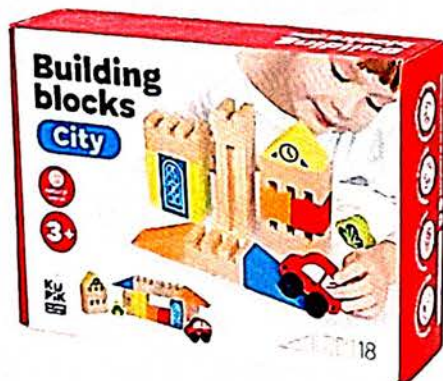
Block set MINI 9 parts 900163



Sudoku for kids 16 parts 900514



Farm animals set 17 parts 900521



Building blocks CITY 18 parts 900538



Number of pages: 7
Number of annexes: 0

CONFORMITY ASSESSMENT REPORT

No: 210500175/3

Product: Wooden toys IGROTECO

Type : Blocks set MINI 9 parts 900163, Sudoku for kids
16 parts 900514, Farm animals set 17 parts 900521,
Building blocks CITY 18 parts 900538

Age Group: 2, 3 + years

Manufacturer: IGROTECO, Ltd.,
Stryiska str. 148, 79031 Lviv, UKRAINE

Applicant: IGROTECO, Ltd.,
Stryiska str. 148, 79031 Lviv, UKRAINE

Distribution list:
Copy No. 1 – manufacturer
Copy No. 2 – TSÚ Piešťany, š.p.

This report is the output from the review of information and results relating to the evaluation of the products:

Product: Wooden toys IGROTECO:



Block set MINI 9 parts 900163



Sudoku for kids 16 parts 900514



Farm animals set 17 parts 900521



Building blocks CITY 18 parts 900538

1. PRODUCT DESCRIPTION

Wooden toy IGROTECO - Block set Mini 9 parts 900163, Sudoku for kids 16 parts 900514, Farm animals set 17 parts 900521, Building blocks CITY 18 parts 900538 are toy suitable for children from 2 and 3 years. These toys are made of beech wood with multicolored finish. The individual parts have different shapes that can be folded.

2. CONFORMITY ASSESSMENT

2.1. Conformity assessment procedure

The conformity assessment has been carried out according to the procedure given in:

- Directive of the European Parliament and of the Council 2009/48/EC, Article 20

2.2. Documents used for the conformity assessment

Documents submitted by the applicant and documents drawn up by TSÚ Piešťany, š.p. were used for the conformity assessment. The list of documents is given in Clause 4.

2.3. Harmonized standards used for the conformity assessment

EN 71-1: 2014 + A1: 2018
 EN 71-2: 2020
 EN 71-3: 2019 + A1: 2021

2.4. Test sample

Tests were carried out on the following sample: Wooden toys IGROTECO - Block set MINI 9 parts 900163, Sudoku for kids 16 parts 900514, Farm animals set 17 parts 900521, Building blocks CITY 18 parts 900538 were submitted on 21. 06. 2021 and registered under No. 5110/293/21/03.

3. CONFORMITY ASSESSMENT RESULT

3.1 MECHANICAL AND PHYSICAL PROPERTIES

Tab. №.1: Evaluation of mechanical and physical properties according to EN 71-1: 2014 + A1: 2018

Clause	Requirement	Assessment
4	General requirements	
4.1	Material cleanliness	P
4.2	Assembly	P
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.10.1	Folding and sliding mechanisms	NA
4.10.2	Driving mechanisms	NA
4.10.3	Hinges	NA
4.10.4	Springs	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
4.14.1	Toys which a child can enter	NA
4.14.2	Masks and helmets	NA
4.15	Toys intended to bear the mass of a child	NA
4.15.1	Toys propelled by the child or by other means	NA
4.15.1.1	General	NA
4.15.1.2	Warnings and instruction for use	NA
4.15.1.3	Strength	NA
4.15.1.4	Stability	NA
4.15.1.5	Braking	NA
4.15.1.6	Transmission and wheel arrangement	NA
4.15.1.7	Adjustable seat pillar and handlebar stem minimum insertion marks	NA
4.15.1.8	Electrically-driven ride-on toys	NA
4.15.2	Toy bicycles	NA
4.15.2.1	General	NA
4.15.2.2	Warnings and instruction for use	NA
4.15.2.3	Braking requirements	NA
4.15.3	Rocking horses and similar toys	NA
4.15.4	Toys not propelled by a child	NA
4.15.5	Toy scooters	NA
4.15.5.1	General	NA
4.15.5.2	Warnings and instructions for use	NA
4.15.5.3	Strength	NA
4.15.5.4	Adjustable and folding steering tubes	NA
4.15.5.5	Braking	NA
4.15.5.6	Wheel size	NA

Clause	Requirement	Assessment
4.15.5.7	Protruding parts	NA
4.16	Heavy immobile toys	NA
4.17	Projectile toys	NA
4.17.1	General	NA
4.17.2	All projectiles	NA
4.17.2.1	Leading parts	NA
4.17.2.2	Foam shaft projectiles with a suction cup as a leading part	NA
4.17.2.3	Other types of projectile with a suction cup as a leading part	NA
4.17.3	Projectile toys with stored energy	NA
4.17.3.1	Energy limitation	NA
4.17.3.2	Edges	NA
4.17.3.3	Projectiles with a protective cap, cover or tip	NA
4.17.3.4	Impact resistance	NA
4.17.3.5	Improvised projectiles	NA
4.17.4	Certain projectile toys without stored energy	NA
4.17.4.1	Darts	NA
4.17.4.2	Bows and arrows	NA
4.17.4.3	Toy catapults and projectiles propelled by an elastic band	NA
4.17.4.4	Projectile toys without stored energy where the discharge mechanism can store energy, only when held in place by the user	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps of specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	NA
4.21	Toys containing non - electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.23.1	General	NA
4.23.2	Toys other than magnetic/electrical experimental sets intended for children over 8 years	NA
4.23.3	Magnetic/electrical experimental sets intended for children over 8 years	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
4.26	Toy Disguise Costumes	NA
4.27	Flying toys	NA
4.27.1	General	NA
4.27.2	Rotors and Propellers on flying toys	NA
4.27.3	Rotors and propellers on remote controlled flying toys	NA
5	Toys intended for children under 36 months	
5.1	General requirements	P*
5.2	Soft-filled toys and soft-filled parts of a toy	NA
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
5.5	Liquid - filled toys	NA
5.6	Speed limitation of electrically – driven ride-on toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size of certain toys	NA
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
5.15	Sledges with cords for pulling	NA
6	Packaging	P
7	Warnings, markings and instructions for use	
7.1	General	P
7.2	Toys not intended for children under 36 months	P

Clause	Requirement	Assessment
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectile toys	NA
7.8	Imitation protective masks 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 intended to be strung across a cradle, cot, or perambulator	NA
7.12	Liquid – filled teethingers	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
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

Remark: NA - Not applicable, P – Pass, F – Fail, P* - Pass for children 2+

The test results and findings are presented in the Test report No.: 210500175/3 from 08. 12. 2021.

3.2 FLAMMABILITY

Tab. №.2: Evaluation of flammability according to EN 71-2: 2020

Clause	Requirement	Assessment
4.1	General requirements	P
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

Remark: NA - Not applicable, P – Pass, F – Fail

The test results and findings are presented in the Test report No.: 210500175/3 from 08. 12. 2021.

3.3 MIGRATION OF CERTAIN ELEMENTS

The results of analyzes of the content of risky elements for individual color shades of paints and varnishes were taken from test reports 2.5/1148/2019 dated 22.01.2020, 2.5/1149-A/2019 dated 23.01.2020, 2.5/1151/2019 dated 22.01.2020, 2.5/1145/2019 dated 20.01.2020, 20250-0222 dated 12.03.2020, 20250-0088 dated 21.02.2020, 2.5/1152-1/2019 dated 22.01.2020, 2.5/1155-1/2019 dated 23.01.2020, 2.5/1157/2019 dated 23.01.2020, 2.5/1150/2019 dated 22.01.2020.

Tests on migration of certain elements according to EN 71-3: 2019 + A1: 2021 were carried out in cooperation with external company Labeko, s.r.o. in Piešťany, Slovak Republic - test report No. 21/03949 from 07. 12. 2021.

Category III: Scrapped-off toy material

Test Items		Results (mg/kg)		Limit (mg/kg)
Specimen No.		1	2	
Aluminium (Al)	(mg/kg)	<1,0	601,0	70000 / 28130
Antimony (Sb)	(mg/kg)	<1,0	<1,0	560
Arsenic (As)	(mg/kg)	<0,5	<0,5	47
Barium (Ba)	(mg/kg)	4,50	3,50	18750
Boron (B)	(mg/kg)	<1,0	1,30	15000
Cadmium (Cd)	(mg/kg)	<0,5	<0,5	17
Chromium III (Cr III)	(mg/kg)	<0,1	0,13	460
Chromium VI (Cr VI)	(mg/kg)	<0,05	<0,05	0,053
Cobalt (Co)	(mg/kg)	<0,5	<0,5	130
Copper (Cu)	(mg/kg)	<1,0	<1,0	7700
Lead (Pb)	(mg/kg)	<0,5	<0,5	23
Manganese (Mn)	(mg/kg)	73,2	6,40	15000
Mercury (Hg)	(mg/kg)	<0,05	<0,05	94
Nickel (Ni)	(mg/kg)	<1,0	<1,0	930
Selenium (Se)	(mg/kg)	<1,0	<1,0	460
Strontium (Sr)	(mg/kg)	1,53	11,3	56000
Tin (Sn)	(mg/kg)	<0,5	<0,5	180000
Organic Tin (Sn org.)	(mg/kg)	<0,5	<0,5	12
Zinc (Zn)	(mg/kg)	<1,0	2,89	46000

Specimen Description:

1 – beech wood

2 – paper – cardboard with multicolored printing

3.4 HYGIENE

Hygienic properties of the sample submitted have been carried out according to the requirements of the EP and the Council Directive 2009/48/EC and according to the requirements specified in EN 71-1: 2014 + A1: 2018, Article 4.1.

By comparing the values of the observed product sample, the characteristics of the product type match with the provisions of the EP and the Council Directive 2009/48/EC relating to the products. The test results and findings are presented in the Test report No.: 210500175/3 from 08. 12. 2021.

3.5 RADIOACTIVITY

Tests of the presence of radioactive elements in the sample submitted have been carried out according to the requirements of the EP and the Council Directive 2009/48/EC.

The toy is made of beech wood with different shapes and different colored shades.

By comparing the values of observed product sample, the characteristics of the product type match with the provisions of the EP and the Council Directive 2009/48/EC relating to the products.

The test results and findings are presented in the Test report No.: 210500175/3 from 08. 12. 2021.

4. DOCUMENTS USED

4.1 Basic documents

- Application on conformity assessment No. 210500175 dated on 18. 05. 2021
- Contract No: 210500175 dated on 28. 07. 2021

4.2 Documents submitted by the Applicant

- Technical file
- Risk analysis

4.3 Documents drawn up by TSÚ Piešťany, š.p.

- Test reports of the testing laboratory and cooperating laboratories in the Slovak Republic according to Clause 3 of this Conformity Assessment Report

5. CONCLUSION

The review results show that the product meet the technical requirements of the relevant European Directive of the New Approach, referred to in Clause 2.1.

Piešťany, 08. 12. 2021

Reviewed by:



Ing. Dušan Letko
technical expert


DECISION

Product Certification Body TSÚ Piešťany, š.p. decided on the base of review results that:

- fulfilment of requirements has been achieved
- EC Type Test Certificate will be issued on behalf of the NB 1299.

Certificate validity will be limited to a period of 5 years.

Piešťany, 08. 12. 2021



Ing. Dušan Hanko
Head of Product Certification Body

CERTIFICATE EC -TYPE EXAMINATION

Module: B

No. 211299484

issued in accordance with Article 20 to Directive 2009/48/EC

Manufacturer:

IGROTECO, LTD.,
Stryiska str. 148, 79031 Lviv, Ukraine

Applicant:

IGROTECO, LTD.,
Stryiska str. 148, 79031 Lviv, Ukraine

Identification of toy:

Wooden toys IGROTECO

Type:

TRIANGULAR MOSAIC 64 parts 900194, SHAPE PATTERN BLOCKS 30 parts 900071,
LOGICAL BLOCKS 48 parts 900408, COUNTING STICKS 56 parts 900385,
CORNERS – BALANCERS 16 parts 900095, ABACUS 3*5 900150,
PLAYING SET ROAD SIGNES 18 parts 900149, MOON - BALANCER 16 parts 900422,
COUNTING PYRAMID 900439, PATTERN LOGICAL BLOCKS 900477,
BUILDING BLOCKS SET UNIVERSAL 14 parts 900453, TANGRAM 8 parts 900462,
LOGICAL BOLOCKS PARTS and WHOLE 10 parts 900460, RAINBOW ARCS MOSAIC 24 parts 900507.
photos and types toys are on the 2nd page

This certificate TSÚ Piešťany, š.p. as Notified Body confirms the conformity the tested sample with the essential safety requirements of the following Directive as amended:

2009/48/EC Safety of toys

European harmonized standards used for the conformity assessment:

EN 71-1:2014+A1:2018

EN 71-2:2020

EN 71-3:2019+A1:2021

Certificate has been issued on the basis of this document: Conformity assessment report No.210500175/2 dated 08.12.2021

Issue date: 08.12.2021

Expiry date: 07.12.2026

Issue: 1



TSÚ PIEŠŤANY, š.p.
TSU
Notified Body No. 1299
Ing. Dušan HANKO
on behalf of TSU Piešťany, š.p., NB 1299

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Wooden toys IGROTECO:



Triangular mosaic 64 parts 900194



Shape pattern blocks 900071



Logical blocks 48 parts 900408



Counting sticks 56 parts 900385



Corners-balancers 16 parts 900095



Abacus 3*5 900150



Playing set Road signs 900149



Moon-balancer 16 parts 900422



Counting pyramid 900439



Pattern Logical blocks 900477



Building blocks 900453



Tangram 8 parts 900462



Logical blocks 900460



Rainbow arcs Mosaic 900507



**CERTIFICATE
EC -TYPE EXAMINATION
Module: B**

No. 211299479

issued in accordance with Article 20 to Directive 2009/48/EC

Manufacturer:

**IGROTECO, LTD.,
Stryiska str. 148, 79031 Lviv, Ukraine**

Applicant:

**IGROTECO, LTD.,
Stryiska str. 148, 79031 Lviv, Ukraine**

Identification of toy:

Wooden toys "construction set IGROTECO"

Type:

**LITTLE HUT 900286, MONEY BOX 900293, HOUSE with GARAGE 900118, COTTAGE 900323,
HOUSE with VERANDAH 900255, HOUSE with BALCONY 900248, GARAGE 2in1 900262,
COUNTRY HOUSE 900316, FANTAZY 60 900057, FANTAZY 120 900040, FANTAZY 240 900033,
TOWER 900330, FORTIFICATION 900347, GATEWAY 900354, CASTLE 900361.**

photos and types toys are on the 2nd page

This certificate TSÚ Piešťany, š.p. as Notified Body confirms the conformity the tested sample with the essential safety requirements of the following Directive as amended:

2009/48/EC Safety of toys

European harmonized standards used for the conformity assessment:

EN 71-1:2014+A1:2018

EN 71-2:2020

EN 71-3:2019+A1:2021

Certificate has been issued on the basis of this document: Conformity assessment report No.210500175/1 dated 07.12.2021

Issue date: 07.12.2021

Expiry date: 06.12.2026

Issue: 1



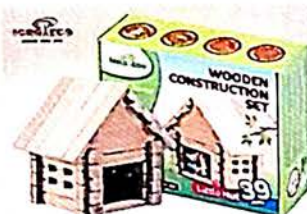
Ing. Dušan HANKO

on behalf of TSU Piešťany, š.p., NB 1299

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Wooden toys "construction set IGROTECO":



LITTLE HUT 900286



MONEY BOX 900293



HOUSE with GARAGE 900118



COTTAGE 900323



HOUSE with VERANDAH 900255



HOUSE with BALCONY 900248



GARAGE 2in1 900262



COUNTRY HOUSE 900316



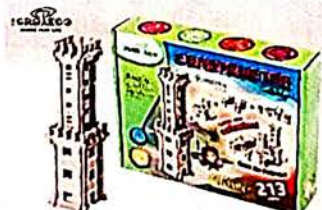
FANTASY 60 900057



FANTASY 120 900040



FANTASY 240 900033



TOWER 900330



FORTIFICATION 900347



GATEWAY 900354



CASTLE 900361



Number of pages: 8
Number of annexes: 0

CONFORMITY ASSESSMENT REPORT

No: 210500175/2

Product: Wooden toys IGROTECO

Type : TRIANGULAR MOSAIC 64 parts 900194, SHAPE PATTERN
BLOCKS 30 parts 900071, LOGICAL BLOCKS 48 parts 900408,
COUNTING STICKS 56 parts 900385, CORNERS - BALANCERS
16 parts 900095, ABACUS 3*5 900150, PLAYING SET ROAD
SIGNES 18 parts 900149, MOON - BALANCER 16 parts 900422,
COUNTING PYRAMID 900439, PATTERN LOGICAL
BLOCKS 900477, BUILDING BLOCKS SET UNIVERSAL
14 parts 900453, TANGRAM 8 parts 900462, LOGICAL BOLOCKS
PARTS and WHOLE 10 parts 900460, RAINBOW ARCS MOSAIC
24 parts 900507.

Age Group: 3 + years

Manufacturer: IGROTECO, Ltd.,
Stryiska str. 148, 79031 Lviv, UKRAINE

Applicant: IGROTECO, Ltd.,
Stryiska str. 148, 79031 Lviv, UKRAINE

Distribution list:
Copy No. 1 – manufacturer
Copy No. 2 – TSÚ Piešťany, š.p.

This report is the output from the review of information and results relating to the evaluation of the products:

Product: Wooden toys IGROTECO:



Triangular mosaic 64 parts 900194



Shape pattern blocks 900071



Logical blocks 48 parts 900408



Counting sticks 56 parts 900385



Corners-balancers 16 parts 900095



Abacus 3*5 900150



Playing set Road signs 900149



Moon-balancer 16 parts 900422



Counting pyramid 900439



Pattern Logical blocks 900477



Building blocks 900453



Tangram 8 parts 900462



Logical blocks Part and Whole 900460 Rainbow arcs Mosaic 24 parts 900507

1. PRODUCT DESCRIPTION

Wooden toys IGROTECO are toys suitable for children from 3 years. These toys are made of beech wood with multicolored finish. The individual parts have different shapes that can be folded.

2. CONFORMITY ASSESSMENT

2.1. Conformity assessment procedure

The conformity assessment has been carried out according to the procedure given in:
- Directive of the European Parliament and of the Council 2009/48/EC, Article 20

2.2. Documents used for the conformity assessment

Documents submitted by the applicant and documents drawn up by TSÚ Piešťany, š.p. were used for the conformity assessment. The list of documents is given in Clause 4.

2.3. Harmonized standards used for the conformity assessment

EN 71-1: 2014 + A1: 2018
EN 71-2: 2020
EN 71-3: 2019 + A1: 2021

2.4. Test sample

Tests were carried out on the following sample: Wooden toys IGROTECO : TRIANGULAR MOSAIC 64 parts 900194, SHAPE PATTERN, BLOCKS 30 parts 900071, LOGICAL BLOCKS 48 parts 900408, COUNTING STICKS 56 parts 900385, CORNERS - BALANCERS 16 parts 900095, ABACUS 3*5 900150, PLAYING SET ROAD SIGNES 18 parts 900149, MOON - BALANCER 16 parts 900422, COUNTING PYRAMID 900439, PATTERN LOGICAL BLOCKS 900477, BUILDING BLOCKS SET UNIVERSAL 14 parts 900453, TANGRAM 8 parts 900462, LOGICAL BOLOCKS PARTS and WHOLE 10 parts 900460, RAINBOW ARCS MOSAIC 24 parts 900507, were submitted on 21. 06. 2021 and registered under No. 5110/293/21/02.

3. CONFORMITY ASSESSMENT RESULT

3.1 MECHANICAL AND PHYSICAL PROPERTIES

Tab. №.1: Evaluation of mechanical and physical properties according to EN 71-1: 2014 + A1: 2018

Clause	Requirement	Assessment
4	General requirements	
4.1	Material cleanliness	P
4.2	Assembly	P
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.10.1	Folding and sliding mechanisms	NA
4.10.2	Driving mechanisms	NA
4.10.3	Hinges	NA
4.10.4	Springs	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
4.14.1	Toys which a child can enter	NA
4.14.2	Masks and helmets	NA
4.15	Toys intended to bear the mass of a child	NA
4.15.1	Toys propelled by the child or by other means	NA
4.15.1.1	General	NA
4.15.1.2	Warnings and instruction for use	NA
4.15.1.3	Strength	NA
4.15.1.4	Stability	NA
4.15.1.5	Braking	NA
4.15.1.6	Transmission and wheel arrangement	NA
4.15.1.7	Adjustable seat pillar and handlebar stem minimum insertion marks	NA
4.15.1.8	Electrically-driven ride-on toys	NA
4.15.2	Toy bicycles	NA
4.15.2.1	General	NA
4.15.2.2	Warnings and instruction for use	NA
4.15.2.3	Braking requirements	NA
4.15.3	Rocking horses and similar toys	NA
4.15.4	Toys not propelled by a child	NA
4.15.5	Toy scooters	NA
4.15.5.1	General	NA
4.15.5.2	Warnings and instructions for use	NA
4.15.5.3	Strength	NA
4.15.5.4	Adjustable and folding steering tubes	NA
4.15.5.5	Braking	NA
4.15.5.6	Wheel size	NA
4.15.5.7	Protruding parts	NA
4.16	Heavy immobile toys	NA
4.17	Projectile toys	NA
4.17.1	General	NA
4.17.2	All projectiles	NA
4.17.2.1	Leading parts	NA
4.17.2.2	Foam shaft projectiles with a suction cup as a leading part	NA

Clause	Requirement	Assessment
4.17.2.3	Other types of projectile with a suction cup as a leading part	NA
4.17.3	Projectile toys with stored energy	NA
4.17.3.1	Energy limitation	NA
4.17.3.2	Edges	NA
4.17.3.3	Projectiles with a protective cap, cover or tip	NA
4.17.3.4	Impact resistance	NA
4.17.3.5	Improvised projectiles	NA
4.17.4	Certain projectile toys without stored energy	NA
4.17.4.1	Darts	NA
4.17.4.2	Bows and arrows	NA
4.17.4.3	Toy catapults and projectiles propelled by an elastic band	NA
4.17.4.4	Projectile toys without stored energy where the discharge mechanism can store energy, only when held in place by the user	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps of specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	NA
4.21	Toys containing non - electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.23.1	General	NA
4.23.2	Toys other than magnetic/electrical experimental sets intended for children over 8 years	NA
4.23.3	Magnetic/electrical experimental sets intended for children over 8 years	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
4.26	Toy Disguise Costumes	NA
4.27	Flying toys	NA
4.27.1	General	NA
4.27.2	Rotors and Propellers on flying toys	NA
4.27.3	Rotors and propellers on remote controlled flying toys	NA
5	Toys intended for children under 36 months	NA
5.1	General requirements	NA
5.2	Soft-filled toys and soft-filled parts of a toy	NA
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
5.5	Liquid - filled toys	NA
5.6	Speed limitation of electrically – driven ride-on toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size of certain toys	NA
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
5.15	Sledges with cords for pulling	NA
6	Packaging	P
7	Warnings, markings and instructions for use	
7.1	General	P
7.2	Toys not intended for children under 36 months	P
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectile toys	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA

Clause	Requirement	Assessment
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	NA
7.11	Toys intended to be strung across a cradle, cot, or perambulator	NA
7.12	Liquid – filled teethingers	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
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

Remark: NA - Not applicable, P – Pass, F – Fail

The test results and findings are presented in the Test report No.: 210500175/2 from 08. 12. 2021.

3.2 FLAMMABILITY

Tab. №.2: Evaluation of flammability according to EN 71-2: 2020

Clause	Requirement	Assessment
4.1	General requirements	P
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

Remark: NA - Not applicable, P – Pass, F – Fail

The test results and findings are presented in the Test report No.: 210500175/2 from 08. 12. 2021.

3.3 MIGRATION OF CERTAIN ELEMENTS

The results of analyzes of the content of risky elements for individual color shades of paints and varnishes were taken from test reports 2.5/1148/2019 dated 22.01.2020, 2.5/1149-A/2019 dated 23.01.2020, 2.5/1151/2019 dated 22.01.2020, 2.5/1145/2019 dated 20.01.2020, 20250-0222 dated 12.03.2020, 20250-0088 dated 21.02.2020, 2.5/1152-1/2019 dated 22.01.2020, 2.5/1155-1/2019 dated 23.01.2020, 2.5/1157/2019 dated 23.01.2020, 2.5/1150/2019 dated 22.01.2020. Tests on migration of certain elements according to EN 71-3: 2019 + A1: 2021 were carried out in cooperation with external company Labeko, s.r.o. in Piešťany, Slovak Republic - test report No. 21/03949 from 07. 12. 2021.

Category III: Scrapped-off toy material

Test Items		Results (mg/kg)				Limit (mg/kg)
Specimen No.		1	2	3	4	
Aluminium (Al)	(mg/kg)	<1,0	601,0	748,4	636,2	70000 / 28130
Antimony (Sb)	(mg/kg)	<1,0	<1,0	<1,0	<1,0	560
Arsenic (As)	(mg/kg)	<0,5	<0,5	<0,5	<0,5	47
Barium (Ba)	(mg/kg)	4,50	3,50	5,60	15,3	18750
Boron (B)	(mg/kg)	<1,0	1,30	1,46	18,3	15000
Cadmium (Cd)	(mg/kg)	<0,5	<0,5	<0,5	<0,5	17
Chromium III (Cr III)	(mg/kg)	<0,1	0,13	0,15	0,64	460
Chromium VI (Cr VI)	(mg/kg)	<0,05	<0,05	<0,05	<0,05	0,053
Cobalt (Co)	(mg/kg)	<0,5	<0,5	<0,5	<0,5	130
Copper (Cu)	(mg/kg)	<1,0	<1,0	<1,0	3,66	7700
Lead (Pb)	(mg/kg)	<0,5	<0,5	<0,5	<0,5	23
Manganese (Mn)	(mg/kg)	73,2	6,40	3,13	21,0	15000
Mercury (Hg)	(mg/kg)	<0,05	<0,05	<0,05	<0,05	94
Nickel (Ni)	(mg/kg)	<1,0	<1,0	<1,0	<1,0	930
Selenium (Se)	(mg/kg)	<1,0	<1,0	<1,0	<1,0	460
Strontium (Sr)	(mg/kg)	1,53	11,3	44,8	60,1	56000
Tin (Sn)	(mg/kg)	<0,5	<0,5	<0,5	<0,5	180000
Organic Tin (Sn org.)	(mg/kg)	<0,5	<0,5	<0,5	<0,5	12
Zinc (Zn)	(mg/kg)	<1,0	2,89	<1,0	2,89	46000

Specimen Description:

- | | |
|--|---|
| 1 – beech wood | 3 – stickers with multicolored printing |
| 2 – paper – cardboard with multicolored printing | 4 – paper card with multicolored printing |

3.4 HYGIENE

Hygienic properties of the sample submitted have been carried out according to the requirements of the EP and the Council Directive 2009/48/EC and according to the requirements specified in EN 71-1: 2014 + A1: 2018, Article 4.1.

By comparing the values of the observed product sample, the characteristics of the product type match with the provisions of the EP and the Council Directive 2009/48/EC relating to the products. The test results and findings are presented in the Test report No.: 210500175/2 from 08. 12. 2021.

3.5 RADIOACTIVITY

Tests of the presence of radioactive elements in the sample submitted have been carried out according to the requirements of the EP and the Council Directive 2009/48/EC.

The toys are made of beech wood with different shapes and different colored shades.

By comparing the values of observed product sample, the characteristics of the product type match with the provisions of the EP and the Council Directive 2009/48/EC relating to the products.

The test results and findings are presented in the Test report No.: 210500175/2 from 08. 12. 2021.

4. DOCUMENTS USED

4.1 Basic documents

- Application on conformity assessment No. 210500175 dated on 18. 05. 2021
- Contract No: 210500175 dated on 28. 07. 2021

4.2 Documents submitted by the Applicant

- Technical file
- Risk analysis

4.3 Documents drawn up by TSÚ Piešťany, š.p.

- Test reports of the testing laboratory and cooperating laboratories in the Slovak Republic according to Clause 3 of this Conformity Assessment Report

5. CONCLUSION

The review results show that the products meet the technical requirements of the relevant European Directive of the New Approach, referred to in Clause 2.1.

Piešťany, 08. 12. 2021

Reviewed by:



Ing. Dušan Letko
technical expert

DECISION

Product Certification Body TSÚ Piešťany, š.p. decided on the base of review results that:

- fulfilment of requirements has been achieved
- EC Type Test Certificate will be issued on behalf of the NB 1299.

Certificate validity will be limited to a period of 5 years.

Piešťany, 08. 12. 2021



Ing. Dušan Hanko
Head of Product Certification Body

CONFORMITY ASSESSMENT REPORT

No: 210500175/1

Product: Wooden toys "construction set IGROTECO"

Type : LITTLE HUT 900286, MONEY BOX 900293, HOUSE with GARAGE 900118,
COTTAGE 900323, HOUSE with VERANDAH 900255, HOUSE with BALCONY 900248,
GARAGE 2in1 900262, COUNTRY HOUSE 900316, FANTAZY 60 900057,
FANTAZY 120 900040, FANTAZY 240 900033, TOWER 900330,
FORTIFICATION 900347, GATEWAY 900354, CASTLE 900361.

Age Group: + 4, 5, 6, 8 years

Manufacturer: IGROTECO, Ltd.,
Stryiska st. 148, 79031 Lviv, UKRAINE

Applicant: IGROTECO, Ltd.,
Stryiska st. 148, 79031 Lviv, UKRAINE

Distribution list:
Copy No. 1 – manufacturer
Copy No. 2 – TSÚ Piešťany, š.p.

This report is the output from the review of information and results relating to the evaluation of the products:

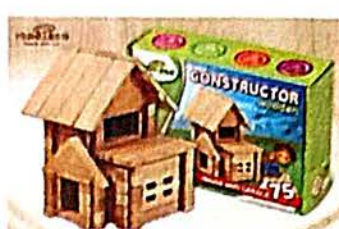
Product: Wooden toys "construction set IGROTECO":



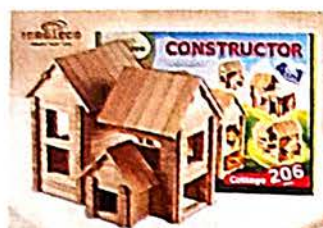
LITTLE HUT 900286



MONEY BOX 900293



HOUSE with GARAGE 900118



COTTAGE 900323



HOUSE with VERANDAH 900255



HOUSE with BALCONY 900248



GARAGE 2in1 900262



COUNTRY HOUSE 900316



FANTASY 60 900057



FANTASY 120 900040



FANTASY 240 900033



TOWER 900330



FORTIFICATION 900347



GATEWAY 900354



CASTLE 900361

1. PRODUCT DESCRIPTION

Wooden toys "construction sets IGROTECO" are toys suitable for children from 4, 5, 6, 8 years. These toys are made of beech wood with no finish.

2. CONFORMITY ASSESSMENT

2.1. Conformity assessment procedure

The conformity assessment has been carried out according to the procedure given in:
- Directive of the European Parliament and of the Council 2009/48/EC, Article 20

2.2. Documents used for the conformity assessment

Documents submitted by the applicant and documents drawn up by TSÚ Piešťany, š.p. were used for the conformity assessment. The list of documents is given in Clause 4.

2.3. Harmonized standards used for the conformity assessment

EN 71-1: 2014 + A1: 2018

EN 71-2: 2020

EN 71-3: 2019 + A1: 2021

2.4. Test sample

Tests were carried out on the following sample: Wooden toys "construction sets IGROTECO, HOUSE with GARAGE 900118, HOUSE with VERANDAH 900255 and HOUSE with BALCONY 900248 as representative of constructions sets IGROTECO, pcs were submitted on 21. 06. 2021 and registered under No. 5110/293/21/01.

3. CONFORMITY ASSESSMENT RESULT

3.1 MECHANICAL AND PHYSICAL PROPERTIES

Tab. №.1: Evaluation of mechanical and physical properties according to EN 71-1: 2014 + A1: 2018

Clause	Requirement	Assessment
4	General requirements	
4.1	Material cleanliness	P
4.2	Assembly	P
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.10.1	Folding and sliding mechanisms	NA
4.10.2	Driving mechanisms	NA
4.10.3	Hinges	NA
4.10.4	Springs	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
4.14.1	Toys which a child can enter	NA
4.14.2	Masks and helmets	NA
4.15	Toys intended to bear the mass of a child	NA
4.15.1	Toys propelled by the child or by other means	NA

Clause	Requirement	Assessment
4.15.1.1	General	NA
4.15.1.2	Warnings and instruction for use	NA
4.15.1.3	Strength	NA
4.15.1.4	Stability	NA
4.15.1.5	Braking	NA
4.15.1.6	Transmission and wheel arrangement	NA
4.15.1.7	Adjustable seat pillar and handlebar stem minimum insertion marks	NA
4.15.1.8	Electrically-driven ride-on toys	NA
4.15.2	Toy bicycles	NA
4.15.2.1	General	NA
4.15.2.2	Warnings and instruction for use	NA
4.15.2.3	Braking requirements	NA
4.15.3	Rocking horses and similar toys	NA
4.15.4	Toys not propelled by a child	NA
4.15.5	Toy scooters	NA
4.15.5.1	General	NA
4.15.5.2	Warnings and instructions for use	NA
4.15.5.3	Strength	NA
4.15.5.4	Adjustable and folding steering tubes	NA
4.15.5.5	Braking	NA
4.15.5.6	Wheel size	NA
4.15.5.7	Protruding parts	NA
4.16	Heavy immobile toys	NA
4.17	Projectile toys	NA
4.17.1	General	NA
4.17.2	All projectiles	NA
4.17.2.1	Leading parts	NA
4.17.2.2	Foam shaft projectiles with a suction cup as a leading part	NA
4.17.2.3	Other types of projectile with a suction cup as a leading part	NA
4.17.3	Projectile toys with stored energy	NA
4.17.3.1	Energy limitation	NA
4.17.3.2	Edges	NA
4.17.3.3	Projectiles with a protective cap, cover or tip	NA
4.17.3.4	Impact resistance	NA
4.17.3.5	Improvised projectiles	NA
4.17.4	Certain projectile toys without stored energy	NA
4.17.4.1	Darts	NA
4.17.4.2	Bows and arrows	NA
4.17.4.3	Toy catapults and projectiles propelled by an elastic band	NA
4.17.4.4	Projectile toys without stored energy where the discharge mechanism can store energy, only when held in place by the user	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps of specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	NA
4.21	Toys containing non - electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.23.1	General	NA
4.23.2	Toys other than magnetic/electrical experimental sets intended for children over 8 years	NA
4.23.3	Magnetic/electrical experimental sets intended for children over 8 years	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
4.26	Toy Disguise Costumes	NA
4.27	Flying toys	NA
4.27.1	General	NA
4.27.2	Rotors and Propellers on flying toys	NA

Clause	Requirement	Assessment
4.27.3	Rotors and propellers on remote controlled flying toys	NA
5	Toys intended for children under 36 months	NA
5.1	General requirements	NA
5.2	Soft-filled toys and soft-filled parts of a toy	NA
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
5.5	Liquid - filled toys	NA
5.6	Speed limitation of electrically – driven ride-on toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size of certain toys	NA
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
5.15	Sledges with cords for pulling	NA
6	Packaging	P
7	Warnings, markings and instructions for use	
7.1	General	P
7.2	Toys not intended for children under 36 months	P
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectile toys	NA
7.8	Imitation protective masks 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 intended to be strung across a cradle, cot, or perambulator	NA
7.12	Liquid – filled teethingers	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
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

Remark: NA - Not applicable, P – Pass, F – Fail

The test results and findings are presented in the Test report No.: 210500175/1 from 07. 12. 2021.

3.2 FLAMMABILITY

Tab. №.2: Evaluation of flammability according to EN 71-2: 2020

Clause	Requirement	Assessment
4.1	General requirements	P
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

Remark: NA - Not applicable, P – Pass, F – Fail

The test results and findings are presented in the Test report No.: 210500175/1 from 07. 12. 2021.

3.3 MIGRATION OF CERTAIN ELEMENTS

Tests on migration of certain elements according to EN 71-3: 2019 + A1: 2021 were carried out in cooperation with external company Labeko, s.r.o. in Piešťany, Slovak Republic - test report No. 21/03949 from 07. 12. 2021.

Category III: Scrapped-off toy material

Test Items		Results (mg/kg)		Limit (mg/kg)
Specimen No.		1	2	
Aluminium (Al)	(mg/kg)	<1,0	601,0	70000 / 28130
Antimony (Sb)	(mg/kg)	<1,0	<1,0	560
Arsenic (As)	(mg/kg)	<0,5	<0,5	47
Barium (Ba)	(mg/kg)	4,50	3,50	18750
Boron (B)	(mg/kg)	<1,0	1,30	15000
Cadmium (Cd)	(mg/kg)	<0,5	<0,5	17
Chromium III (Cr III)	(mg/kg)	<0,1	0,13	460
Chromium VI (Cr VI)	(mg/kg)	<0,05	<0,05	0,053
Cobalt (Co)	(mg/kg)	<0,5	<0,5	130
Copper (Cu)	(mg/kg)	<1,0	<1,0	7700
Lead (Pb)	(mg/kg)	<0,5	<0,5	23
Manganese (Mn)	(mg/kg)	73,2	6,40	15000
Mercury (Hg)	(mg/kg)	<0,05	<0,05	94
Nickel (Ni)	(mg/kg)	<1,0	<1,0	930
Selenium (Se)	(mg/kg)	<1,0	<1,0	460
Strontium (Sr)	(mg/kg)	1,53	11,3	56000
Tin (Sn)	(mg/kg)	<0,5	<0,5	180000
Organic Tin (Sn org.)	(mg/kg)	<0,5	<0,5	12
Zinc (Zn)	(mg/kg)	<1,0	2,89	46000

Specimen Description:

1 – beech wood

2 – paper – cardboard with multicolored printing

3.4 HYGIENE

Hygienic properties of the sample submitted have been carried out according to the requirements of the EP and the Council Directive 2009/48/EC and according to the requirements specified in EN 71-1: 2014 + A1: 2018, Article 4.1.

By comparing the values of the observed product sample, the characteristics of the product type match with the provisions of the EP and the Council Directive 2009/48/EC relating to the products. The test results and findings are presented in the Test report No.: 210500175/1 from 07. 12. 2021.

3.5 RADIOACTIVITY

Tests of the presence of radioactive elements in the sample submitted have been carried out according to the requirements of the EP and the Council Directive 2009/48/EC.

The toys are made of beech wood.

By comparing the values of observed product sample, the characteristics of the product type match with the provisions of the EP and the Council Directive 2009/48/EC relating to the products.

The test results and findings are presented in the Test report No.: 210500175/1 from 07. 12. 2021.

4. DOCUMENTS USED

4.1 Basic documents

- Application on conformity assessment No. 210500175 dated on 18. 05. 2021
- Contract No: 210500175 dated on 28. 07. 2021

4.2 Documents submitted by the Applicant

- Technical file
- Risk analysis

4.3 Documents drawn up by TSÚ Piešťany, š.p.


- Test reports of the testing laboratory and cooperating laboratories in the Slovak Republic according to Clause 3 of this Conformity Assessment Report

5. CONCLUSION

The review results show that the products meet the technical requirements of the relevant European Directive of the New Approach, referred to in Clause 2.1.

Piešťany, 07. 12. 2021

Reviewed by:



Ing. Dušan Letko
technical expert

DECISION


Product Certification Body TSÚ Piešťany, š.p. decided on the base of review results that:

- fulfilment of requirements has been achieved
- EC Type Test Certificate will be issued on behalf of the NB 1299.

Certificate validity will be limited to a period of 5 years.

Piešťany, 07. 12. 2021




Ing. Dušan Hanko
Head of Product Certification Body