

CERTIFICATE EC -TYPE EXAMINATION

Module: B

No. 241299060

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: Puzzle 6-elements Art. 900569, Sensory bag "Nature" Art. 900590, Game Toy bricks in shadow Art. 900606, Math cubes Art. 900736, Balancing game + puzzle CUBE Art. 900170, Geosorter Art. 900729, Mahjong Art. 900552, Balancing tower Art. 900088, Balancing game Acrobats Art. 900491, DOMINO 45 pcs Art. 900620, SUDOKU Animals Art. 900705, Memory 30 pcs Art. 900644.

photos and types toys are on the 2nd page

With this certificate TSÚ Piešťany, a. s. as Notified Body confirms the conformity the tested sample with the essential safety requirements of the following Directive as amended:

Directive 2009/48/EC Safety of toys

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. 240500079 dated 03.09.2024

Issue date: 03.09.2024

Expiry date: 02.09.2029

Issue: 1



Ing. Dušan HANKO
on behalf of TSÚ Piešťany, a. s., NB 1299

The rules for use of this certificate

1. The EC type-examination certificate shall be examined whenever necessary, in particular in the event of a change in the manufacturing process, raw material or parts of the toy, but in any **case every five years. The manufacturer is responsible for ensuring that the EC type-examination certificate is reviewed.**
2. The EC type-examination certificate applies only to the type of the product submitted to the tests.
3. The applicant/manufacturer shall ensure that the manufacturing process guarantees the conformity of the manufactured products with the approved type of the product as described in this EC type-examination certificate.
4. The applicant/manufacturer shall notify the Notified Body TSU Piešťany, a. s. of any changes to the approved type of the product.
5. It is forbidden to modify, amend or rewrite the data in the certificate.
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



Puzzle Art. 900569



Sensory bag Art. 900590



Toy bricks in shadow Art. 900606



Math cubes Art. 900736



Puzzle Cube Art. 900170



Geosorter Art. 900729



Mahjong Art. 900552



Balancing tower Art. 900088



Acrobats Art. 900491



Domino Art. 900620



Sudoku Art. 900705



Memory Art. 900644



Number of pages : 7
Number of annexes : 0

CONFORMITY ASSESSMENT REPORT

No: 240500079

Product : Wooden toys IGROTECO

Type : Puzzle 6 elements Art. 900569, Sensory bag "Nature" Art. 900590, Game Toy bricks in shadow Art. 900606, Math cubes Art. 900736, Balancing game + puzzle CUBE Art. 900170, Geosorter Art. 900729, Mahjong Art. 900552, Balancing tower Art. 900088, Balancing game Acrobats Art. 900491, DOMINO 45 pcs Art. 900620, SUDOKU Animals Art. 900705, Memory 30 pcs Art. 900644.

Age Group: : 2 +, 3 + years

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

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

PRODUCT DESCRIPTION

Wooden toys IGROTECO are toys 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

Distribution list: the European Parliament and of the Council 2009/48/EC, Article 30

Copy No. 1 - Manufacturer

Copy No. 2 - TSÚ Piešťany, a. s.

For the conformity assessment, the documents submitted by the applicant and documents drawn up by TSÚ Piešťany, a. s. were used. The report may be reproduced or published only in its entirety.

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

Product: Wooden toys IGROTECO

Type: Puzzle 6 elements Art. 900569, Sensory bag "Nature" Art. 900590, Game Toy bricks in shadow Art. 900606, Math cubes Art. 900736, Balancing game + puzzle CUBE Art. 900170, Geosorter Art. 900729, Mahjong Art. 900552, Balancing tower Art. 900088, Balancing game Acrobats Art. 900491, DOMINO 45 pcs Art. 900620, SUDOKU Animals Art. 900705, Memory 30 pcs Art. 900644.



Puzzle 900569



Sensory bag 900590



Toy bricks in shadow 900606



Math cubes 900736



Puzzle Cube 900170



Geosorter 900729



Mahjong 900552



Balancing tower 900088



Acrobats 900491



Domino 900620



Sudoku 900705



Memory 900644

PRODUCT DESCRIPTION

Wooden toys IGROTECO are toys 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

For the conformity assessment, the documents submitted by the applicant and documents drawn up by TSÚ Piešťany, a. s. were used. The list of documents is given in Clause 4.

2.3 Harmonized standards used for the conformity assessment

- EN 71-1: 2014 + A1: 2018 - Safety of toys - Part 1: Mechanical and physical properties
- EN 71-2: 2020 - Safety of toys - Part 2: Flammability
- EN 71-3: 2019 + A1: 2021 - Safety of toys - Part 3: Migration of certain elements

2.4 Test sample

Tests were carried out on the following sample: Wooden toys IGROTECO :

Puzzle 6 elements Art. 900569, Sensory bag "Nature" Art. 900590, Game Toy bricks in shadow Art. 900606, Math cubes Art. 900736, Balancing game + puzzle CUBE Art. 900170, Geosorter Art. 900729, Mahjong Art. 900552, Balancing tower Art. 900088, Balancing game Acrobats Art. 900491, DOMINO 45 pcs Art. 900620, SUDOKU Animals Art. 900705, Memory 30 pcs Art. 900644, were submitted on 13. 03. 2024 and registered under No. 55491/334/24.

3. REVIEW OF RESULTS

Serial No.	EU Directive	Technical standard and regulation	Evaluation
1	Directive 2009/48/EC	EN 71-1: 2014 + A1: 2018 EN 71-2: 2020 EN 71-3: 2019 + A1: 2021	-meets-

3.1 Directive 2009/48C Toys safety

- Conformity assessment was carried out on the basis of documents listed in Clause 4.2 and on the basis of the following documents:

Test report No. 240500079 dated on 03. 09. 2024. This report was elaborated by TSU Piešťany, a. s., Slovakia.

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

Clause	Requirement	Assessment
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
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	P
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

Clause	Requirement	Assessment
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
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.: 240500079 dated on 03. 09. 2024.

Sample Description

- 1 – textile bag natural
- 2 – paper with different colored printing
- 3 – paper bag natural

➤ Based on the examination of test results and technical documentation, the conformity with technical requirements given in the relevant Directive was found out.

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.: 240500079 dated on 03. 09. 2024.

MIGRATION OF CERTAIN ELEMENTS

Tab. No.3: Evaluation of Migration of certain elements according to EN 71-3: 2019 + A1: 2021

The results of the chemical properties tests were partially taken from the test reports no. 20250-0222 dated 12. 03. 2020, 2.5/1148/2019 dated 22.01.2020, 2.5/1155/2019 dated 23.01.2020, 2.5/1157/2019 dated 23.01.2020, 2.5/1153/2019 dated 23.01.2020, 20250-0088 dated 21.02.2020, 2.5/1150/2019 dated 13.12.2019, 2.5/1149/2019 dated 23.01.2020, 2.5/1151/2019 dated 22.01.2020, 2.5/1152/2019 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. 24/02401 dated on 16. 08. 2024.

Category III: Scrapped-off toy material

Test Items		Results (mg/kg)			Limit (mg/kg)
Specimen No.		1	2	3	
Aluminium (Al)	(mg/kg)	4,97	<1,0	477,5	70000
Antimony (Sb)	(mg/kg)	<1,0	<1,0	<1,0	560
Arsenic (As)	(mg/kg)	<0,5	<0,5	<0,5	47
Barium (Ba)	(mg/kg)	1,04	<1,0	10,5	18750
Boron (B)	(mg/kg)	11,5	<1,0	7,81	15000
Cadmium (Cd)	(mg/kg)	<0,5	<0,5	<0,5	17
Chromium III (Cr III)	(mg/kg)	<0,1	<0,1	0,34	460
Chromium VI (Cr VI)	(mg/kg)	<0,05	<0,05	<0,05	0,053
Cobalt (Co)	(mg/kg)	<0,5	<0,5	<0,5	130
Copper (Cu)	(mg/kg)	1,21	<1,0	4,77	7700
Lead (Pb)	(mg/kg)	<0,5	<0,5	0,69	23
Manganese (Mn)	(mg/kg)	4,34	1,85	14,3	15000
Mercury (Hg)	(mg/kg)	<0,05	<0,05	<0,05	94
Nickel (Ni)	(mg/kg)	<1,0	<1,0	<1,0	930
Selenium (Se)	(mg/kg)	<1,0	<1,0	<1,0	460
Strontium (Sr)	(mg/kg)	10,2	39,0	29,7	56000
Tin (Sn)	(mg/kg)	<1,0	<1,0	<0,5	180000
Organic Tin (Sn org.)	(mg/kg)	<1,0	<1,0	<0,5	12
Zinc (Zn)	(mg/kg)	8,15	<1,0	17,1	46000

Sample Description:

- 1 – textile bag natural
- 2 – paper with different colored printing
- 3 – paper bag natural

- Based on the examination of test results and technical documentation, the conformity with technical requirements given in the relevant Directive was found out.

4. DOCUMENTS USED

4.1 Basic documents

- The application for product conformity assessment, registered under the No. 240500079, dated on 18. 03. 2024.
- Contract No. 240500079 dated on 03. 06. 2024.

4.2 Documents submitted by the Manufacturer

- Technical file.

Test reports No: 20250-0222 dated 12. 03. 2020, 2.5/1148/2019 dated 22.01.2020, 2.5/1155/2019 dated 23.01.2020, 2.5/1157/2019 dated 23.01.2020, 2.5/1153/2019 dated 23.01.2020, 20250-0088 dated 21.02.2020, 2.5/1150/2019 dated 13.12.2019, 2.5/1149/2019 dated 23.01.2020, 2.5/1151/2019 dated 22.01.2020, 2.5/1152/2019 dated 22.01.2020.

4.3 Documents drawn up by external company Labeko, s.r.o., Piešťany, Slovakia

- Test report No. 24/02401 dated on 16. 08. 2024.

4.4 Documents drawn up by TSÚ Piešťany, a. s., Slovakia

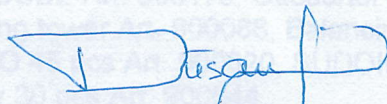
- Test report No. 240500079 from 03. 09. 2024.

5. CONCLUSION

The review results show that the product meets the technical requirements of the relevant European directive of the new approach referred to in Clause 2.1.

In Piešťany, 03. 09. 2024.

Reviewed by:



Ing. Dušan Letko
Technical Expert

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

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

DECISION

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

- Fulfilment of requirements has been proven,
- EC Type – examination for production type will be issued on behalf of NB 1299

Certificate validity: limited to a period of 5 years.

In Piešťany, 03. 09. 2024.



Ing. Dušan Hanko
Head of Product Certification Body