

REPORT OF ANALYZES NO./ SPRAWOZDANIE Z BADAŃ NUMER: LT/129/2022

Client/ Zleceniodawca: N&B SPÓŁKA Z OGRANICZONĄ ODPOWIEDZIALNOŚCIĄ ul. Stefana Żeromskiego 9 62-300 Września		Sample (according to client declaration)/ <i>Próbka (wg deklaracji Zleceniodawcy):</i> Piłka 6 cm.
Sample received/ <i>Data przyjęcia próbki:</i>	15.04.2022	Sample description/ Opis próbki: 170914-1/22/POZ/SSL/PM – Ball/ Piłka
Analysis completed/ <i>Data zakończenia badań:</i>	20.04.2022	Sample condition/ Stan próbki: sample without any visible damages/ <i>bez zastrzeżeń</i>
Report date/ <i>Data utworzenia sprawozdania:</i>	20.04.2022	Order date/ Zlecenie z dnia: 14.04.2022 Order number/ Zlecenie numer: 7500/2022/POZ The Samples were delivered by Client/ <i>Próbki dostarczone przez Zleceniodawcę</i>

Tests/ <i>Rodzaj badania:</i>	Summary/ <i>Podsumowanie:</i>
1.1 PN-EN 71-1+A1:2018-08 Safety of toys - Part 1: Mechanical and physical properties/ <i>PN-EN 71-1+A1:2018-08 Bezpieczeństwo zabawek - Część 1: Właściwości mechaniczne i fizyczne.</i>	PASS/ ZGODNY
1.2 PN-EN 71-1+A1:2018-08 Safety of toys – Warnings , packagings/ <i>PN-EN 71-1+A1:2018-08 Bezpieczeństwo zabawek – Oznakowania, opakowania.</i>	NOT TESTED/ NIE ZBADANO
2. PN-EN 71-2:2021-05 Safety of toys - Part 2: Flammability/ <i>PN-EN 71-2:2021-05 Bezpieczeństwo zabawek - Część 2: Palność</i>	PASS/ ZGODNY



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Table 1. List of tested samples/materials/ Tabela 1. Wykaz badanych próbek/materiałów

No./ L.p.	Sample No./ Numer próbki	Sample name/ Nazwa próbki	Material/ Materiał	Colour/ Kolor
1.	170914- 1/22/POZ/SSL/PM	Ball 6 cm/ Piłka 6 cm.	Plastic/ Plastik	Multicoloured/ Różne kolory

Table 2. Additional information relating to the tested samples/ Tabela 2. Dodatkowe informacje dotyczące badanych próbek

Manufacturer/ Producent: N&B SPÓŁKA Z OGRANICZONĄ ODPOWIEDZIALNOŚCIĄ.
Serial marking of the sample/ Oznaczenie fabryczne próbki: -
EAN code/ Kod EAN: -
Age grade/ Kategoria wiekowa
 According to the factory label/ Według fabrycznego oznakowania: -
 Tested age grade/ Badana kategoria wiekowa: Under 36 months/ Poniżej 36 miesięcy

Table 3. List of the equipment used for testing

No.	Name of equipment	Inventory number
1.	Thermo-hygrobarometer LB-706B	C/001/LT
2.	Thermo-hygrometer LB-701	C/002/LT ; C/121/LT
3.	Rigid measurement MLPa-500/1 mm	A/194/LT
4.	Ribbon ruler 0-3 m Stanley	A/193/LT
5.	Small parts cylinder	C/206/LT
6.	Torque test device	C/209/LT
7.	Instron testing machine	A/195/LT
8.	Stand for impact test	C/197/LT
9.	Stand for drop test	C/196/LT
10.	Compression test foot \varnothing 30 mm	C/211/LT
11.	Template B	C/199/02/LT
12.	Template E	C/216/LT
13.	Climatic chamber DISCOVERY DY 1200C	C/023/LT
14.	Thermo-anemometer LB-801C	A/138/LT
15.	Stand for a small flame flammability testing with burner	C/202/01-02/LT
16.	Stopwatch	A/010/LT

Before the tests the measuring equipment was checked, equipment is efficient.

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1. Mechanical and physical properties

The tests were carried out in accordance with PN-EN 71-1+A1:2018-08.

Environmental conditions during the test that affects the test results:

The tests were carried out at temperature of 20,1±0,2 °C and relative humidity 30,4±2,0 %

Table 4. Summary of results - mechanical and physical properties

No.	Sample No.	Requirement	Test method	Test re- sult ¹⁾	Meeting the requi- rement	Comments
1.	170914- 1/22/POZ/SSL/PM	4.1 Material cleanliness	**Visual examination	P	Yes	-
2.	170914- 1/22/POZ/SSL/PM	4.22 Small balls	8.32.1**Small balls and suction cups test	P	Yes	See No 1 in Table 5.
3.	170914- 1/22/POZ/SSL/PM	5.1 General requirements	8.2* Small parts cylinder	P	Yes	-
			8.3* Torque test	P	Yes	-
			8.4* Tension test	P	Yes	-
			8.5* Drop test	P	Yes	-
			8.7* Impact test	P	Yes	-
			8.8* Compression test	P	Yes	-
			8.6** Tip over test	N/A	-	-
			8.9** Soaking test	N/A	-	-
			8.11* Sharpness of edges	N/A	-	-
			8.12* Sharpness of points	N/A	-	-

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4.	170914-1/22/POZ/SSL/PM	5.8 Shape and size of certain toys	8.16*Geometric shape of certain toys	P	Yes	See No 2 in Table 5.
5.	170914-1/22/POZ/SSL/PM	5.10 Small balls	8.32.1**Small balls and suction cups test	P	Yes	See No 1 in Table 5.
6.	170914-1/22/POZ/SSL/PM	6.0 Packaging	**Visual examination	-	-	See No 3 in Table 5.
7.	170914-1/22/POZ/SSL/PM	7.1 General	**Visual examination	N/T	-	See No 4 in Table 5.
			**Measurement of geometric quantities	N/T	-	See No 4 in Table 5.

1. P – pass; F – fail; N/A – not applicable; N/T – not tested; *Accredited test method; **Not accredited test method ; #Tests carried out at the subcontractor;

Table 5. Comments relating to the performed tests

No.	Comments
1.	The Template E was used for the test. The ball did not pass through the Template.
2.	The Template B was used for the test. The ball did not pass through the Template B and any parts of the toy did not protruded beyond it's base.
3.	The samples delivered without serial packaging.
4.	According to the customer's e-mail declaration, due to the lack of packaging, labels, clause 7.0 Warnings, markings and instructions for use, was excluded from the reserach.

2. Flammability

The tests were carried out in accordance with PN-EN 71-2:2021-05 .

Environmental conditions during the test that affects the test results:

The tests were carried out at temperature of $22,8 \pm 0,2$ °C and relative humidity $30,7 \pm 2,0$ %.

Table 6. Summary of results - flammability

No.	Sample No.	Requirement	Test methods	Result ¹⁾	Comments
-	-	-	mm/s	-	-
1.	170914-1/22/POZ/SSL/PM	4.1 General	*5.5.1 *5.5.2	P	Flaming debris

1. P – pass; F – fail; *Accredited test method; ** Not Accredited test method;

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Report prepared by research specialist Wilk Otylia

Report authorized by

END OF REPORT

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