



INSTITUT PRO TESTOVÁNÍ A CERTIFIKACI, a. s.

třída Tomáše Bati 299, Louky, 763 02 Zlín, Czech Republic

Testing Laboratory No. 1004

accredited by ČIA according to ČSN EN ISO/IEC 17025:2018



Testing laboratory * Calibration laboratory * Product certification body * Management systems certification body
Inspection body * Authorized body * Notified body

Number of pages: 5

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ACCREDITED LABORATORY TEST REPORT ref. No. 412113436-01

Client: Instytut Badań i Certyfikacji Sp. z o.o.
Company registration number: PL5252869734

Address: ul. Chmielna 2/31, Warszawa, 00-020, Poland

Sample: see sample description on the page No. 2

Sample received on: April 24, 2024

Tested: May 7, 2024 – May 16, 2024

Report elaborated by: Dipl. Ing. Iveta Řezníčková

Place and date of issue: Zlín, May 20, 2024



Ing. Jiří Samsonek, Ph.D.
Head of Accredited Testing Laboratory

Note: The results given in this Test Report apply only to the sample tested by our laboratory!
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Sample description and identification:

Table No. I – Sample description according to the client's declaration

ITC's identification number - Sample identification by client	Photo of the sample
412113436/01 - painted element VESTING LED PURE 11000 (top layer of impregnated wood)	
412113436/02 - VESTING WAXOIL PURE 3000 (dry matter of the sample)	

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Sampling method used:

The test sample was collected and supplied to the laboratory by the client. The laboratory is not responsible for this way of sampling. The results apply to the sample received.

Request:

The client claimed determination of migration of certain elements according to ČSN EN 71-3 in accordance with requirements of European parliament and Council regulation No.2009/48/ES from June 18, 2009 about the safety of toys.

Testing method used:

1. Determination of migration of certain elements by ICP-MS, IC-ICP-MS methods according to ČSN EN 71-3+A1:2021

Test conditions:

Ad1. The leachate was prepared according to ČSN EN 71-3+A1:2021 into the 0,07mol/l HCl
Migration test temperature/time : (37 ± 2) °C / 2 hours
Migration ratio 4g/100ml of HCl solution
The sample 412113436/02 was prepared by extraction according to ČSN EN 71-3+A1:2021 before migration

The laboratory is not responsible for information received from customer, which could have influence on the validity of the results. Further information required by the standard/standards and not given in this Test Report are available at a request at the Laboratory.

Testing laboratory:

Test no.: 1 Workplace no.: 1 - třída Tomáše Bati 299, Louky, 763 02 Zlín

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**Test results:**

The test results are given in the following tables.

Table No. II – Sample 412113436/01 - painted element VESTING LED PURE 11000 (top layer of impregnated wood)

Parameter	Unit	Value obtained ¹⁾	Uncertainty ²⁾
Aluminium - Al	mg/kg	76,4	18,6
Antimony - Sb	mg/kg	< 0,50	-
Arsenic - As	mg/kg	< 0,50	-
Barium - Ba	mg/kg	< 20,0	-
Boron - B	mg/kg	< 10,0	-
Cadmium - Cd	mg/kg	< 0,20	-
Chromium Cr - total	mg/kg	< 0,50	-
Chromium Cr – trivalent ³⁾	mg/kg	< 0,50	-
Chromium - Cr – hexavalent	mg/kg	< 0,005	-
Cobalt – Co	mg/kg	< 0,50	-
Copper - Cu	mg/kg	< 5,0	-
Lead - Pb	mg/kg	< 0,50	-
Manganese - Mn	mg/kg	9,89	3,35
Mercury - Hg	mg/kg	< 0,50	-
Nickel - Ni	mg/kg	< 0,50	-
Selenium - Se	mg/kg	< 0,50	-
Strontium - Sr	mg/kg	< 20,0	-
Tin - Sn - total	mg/kg	< 1,0	-
Tin - Sn – organic ⁴⁾	mg/kg	< 1,0	-
Zinc - Zn	mg/kg	< 20,0	-

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**Table No. III – Sample 412113436/02 - VESTING WAXOIL PURE 3000 (dry matter of the sample)**

Parameter	Unit	Value obtained ¹⁾	Uncertainty ²⁾
Aluminium - Al	mg/kg	< 20,0	-
Antimony - Sb	mg/kg	< 0,50	-
Arsenic - As	mg/kg	< 0,50	-
Barium - Ba	mg/kg	< 20,0	-
Boron - B	mg/kg	< 10,0	-
Cadmium - Cd	mg/kg	< 0,20	-
Chromium Cr - total	mg/kg	< 0,50	-
Chromium Cr – trivalent ³⁾	mg/kg	< 0,50	-
Chromium - Cr – hexavalent	mg/kg	< 0,005	-
Cobalt – Co	mg/kg	< 0,50	-
Copper - Cu	mg/kg	< 5,0	-
Lead - Pb	mg/kg	< 0,50	-
Manganese - Mn	mg/kg	6,10	1,26
Mercury - Hg	mg/kg	< 0,50	-
Nickel - Ni	mg/kg	< 0,50	-
Selenium - Se	mg/kg	< 0,50	-
Strontium - Sr	mg/kg	< 20,0	-
Tin - Sn - total	mg/kg	< 1,0	-
Tin - Sn – organic ⁴⁾	mg/kg	< 1,0	-
Zinc - Zn	mg/kg	< 20,0	-

Notes to the tables No. II and No. III:

- 1) Symbol "<" means less than the limit of detection of used analytical method
- 2) The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%
- 3) The content of chromium trivalent was calculated from the total and hexavalent chromium content
- 4) The organic tin content was calculated from the total tin content

Ing. Daniel Vít

Head of the laboratory of analytical chemistry and microbiology

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