



INSTITUT PRO TESTOVÁNÍ A CERTIFIKACI, a.s.
ZLÍN – Czech Republic

TESTIMONIAL

No. 13 080

**Product certification body
confirms that**

Product: Full terrace board Twinson Massive, hazelnut brown color

Producer: Inoutic / Deceuninck, spol. s r.o.
Vintrovna 23, 664 41 Popůvky
Czech Republic
Company registration number: 49445553

- shows parameters listed in the annexes No. 1/13 080 and 2/13 080
- meets the limit values according to EN 71-3 Migration limits for certain elements, category III, and Directive 2009/48/EC of the European Parliament and of the Council of 18 June 2009 on the safety of toys - see annex No. 1/13 080, Table I
- for parameters mentioned in the supplements No. 1/13 063 and 2/13 063, table I and II, meet selected requirements placed on product coming into direct contact with human organism via skin or mucous membranes in compliance with Methodical Recommendation by the State Health Institute No. 1/2000, AHEM (Acta hygienica, epidemiologica et microbiologica) 3/2000, Table No. 3, *Basic Criteria for Assessment of Plastic Products*)
- for parameters mentioned in the supplement No. 2/13 063, table III, meet selected requirements placed on product according to the annex No. 7 of the Decree of the Czech Health Ministry No. 84/2001 Coll. - Hygienic requirements for toys and products intended for children at the age till three years

Valid till: 2016-12-31

This testimonial is issued on the basis of following documents:

Test reports No. 472106998, issued on December 30, 2013 and Testimonial No. 10 138, issued on December 21, 2010.

An integral part of testimonial is annex No. 1/13 080 – 2/13 080.



Dipl. Ing. Pavel Varěk

Issued in Zlín, on December 30, 2013

Head of the certification body



ANNEX No. 1/13 080

PRODUCT: Full terrace board Twinson Massive, hazelnut brown color

shows following parameters:

Table I: Migration of certain elements according to the EN 71-3

Parameter	Unit	Value obtained ¹⁾	Uncertainty ²⁾	Limit ³⁾
Al	mg/kg	< 20,0	-	max. 70 000
Sb	mg/kg	< 0,50	-	max. 60 ⁶⁾ , max. 560
As	mg/kg	< 0,50	-	max. 25 ⁶⁾ , max. 47
Ba	mg/kg	< 20,0	-	max. 1 000 ⁶⁾ , max. 18 750
B	mg/kg	< 5,0	-	max. 15 000
Cd	mg/kg	< 0,20	-	max. 75 ⁶⁾ , max. 17
Cr total	mg/kg	< 0,50	-	max. 60 ⁶⁾ , -
Cr ^{III} ⁴⁾	mg/kg	< 0,50	-	max. 460
Cr ^{VI}	mg/kg	< 0,05	-	max. 0,2
Co	mg/kg	< 0,50	-	max. 130
Cu	mg/kg	< 5,0	-	max. 7 700
Pb	mg/kg	< 0,50	-	max. 90 ⁶⁾ , max. 160
Mn	mg/kg	9,1	1,0	max. 15 000
Hg	mg/kg	< 0,50	-	max. 60 ⁶⁾ , max. 94
Ni	mg/kg	< 0,50	-	max. 930
Se	mg/kg	< 0,50	-	max. 500 ⁶⁾ , max. 460
Sr	mg/kg	< 5,0	-	max. 56 000
Sn	mg/kg	< 0,20	-	max. 180 000
Sn organic ⁵⁾	mg/kg	< 0,20	-	max. 12
Zn	mg/kg	43	4,3	max. 46 000

Notes to the table I:

- ¹⁾ Values obtained are expressed as mg of elements per kg of sample symbol „<“ means less than limit of detection of the used analytical method
- ²⁾ Measurement uncertainty of B type, 10% rel.
- ³⁾ Limit values according to the EN 71-3, category III
- ⁴⁾ Trivalent chromium content is calculated from the total chromium content
- ⁵⁾ Organic tin content is calculated from the total tin content
- ⁶⁾ Limit values according to the Guideline of Health Office No. 1/2000 about the assessment of the products intended to a direct contact with human body through the skin eventually through the mucosa; Acta hygienica, epidemiologica et microbiologica No. 3/2000, Table No. 3 *The basic criteria for the plastic evaluation*



Pavel Vaněk
Dipl. Ing. Pavel Vaněk

Issued in Zlín, on December 30, 2013

Head of the certification body



ANNEX No. 2/13 080

PRODUCT: Full terrace board Twinson Massive, hazelnut brown color

Table II:
Determination of selected parameters according to the requirements of the Methodical Recommendation by the State Health Institute No. 1/2000, AHEM (Acta hygienica, epidemiologica et microbiologica) 3/2000,

Table No. 3, Basic Criteria for Assessment of Plastic Products

Parameter	Unit	Value obtained	Uncertainty	Limit ¹⁾
Overall migration	mg/dm ²	7,6	1,0 ²⁾	max. 10
Resistance to saliva	-	resistant	-	resistant

Notes to the table II:

- ¹⁾ Limit values according to the Methodical Recommendation by the State Health Institute No. 1/2000 about the assessment of the products intended to a direct contact with human body through the skin eventually through the mucosa; AHEM No. 3/2000, Table No. 3 *Basic Criteria for Assessment of Plastic Products*)
- ²⁾ Measurement uncertainty according to the ČSN EN 1186-1

Table III:
Determination of selected parameters according to the requirements of the Supplement No. 7 to the Decree of the Czech Health Ministry No. 84/2001 Coll.

Parameter	Unit	Value obtained ¹⁾	Uncertainty ²⁾	Limit ³⁾
Phenolic compounds	mg/dm ²	< 0,01	-	max. 0,05
Primary aromatic amines	mg AHC/dm ² ⁴⁾	< 0,005	-	max. 0,005
Formaldehyde	mg/dm ²	0,01	0,01	max. 0,1
Esters of phthalic acid	mg/dm ²	< 0,05	-	max. 0,20

Notes to the table III:

- ¹⁾ Symbol „<“ means less than limit of detection of the used analytical method
- ²⁾ Measurement uncertainty expressed as expanded uncertainty based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%
- ³⁾ Limit values according to the Supplement No. 7 to the Decree No. 84/2001 Coll., as amended
- ⁴⁾ Expressed as mg of anilinhydrochloride per dm²



Dipl. Ing. Pavel Vaněk

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