

### QUALITY CERTIFICATE

Object of test: foamlatex kernel **NATURAL**– quality M (medium)  
– 4,8 kPa

Normative technical grounds – TC 1-04

Technical parameters	Unit	Standart	Test methods	Test results
Solidity at 25 % deformation	kPa	4.8 ± 0.5	DIN 53576C	4.9
Density	kg./m3	73 ± 0.5	ISO 845	75
Residual deformation, in %, no more than	%	10	Company methods	7.0
Relative prolongation in %, no less than	%	170	Company methods	220
Ratio Natural : synthetic latex	%			80 : 20

Conclusion: Foamlatex kernel **NATURAL**– quality M fulfills a technical requirements.

Chief technologist:

Marijana Shishmanova

Executive Director:

Eprem Kondayan



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## 2 Test results

### 2.1 Test on pentachlorophenol

	result [mg/kg]	threshold limit "IKEA" [mg/kg]	detection limit [mg/kg]
Pentachlorophenol (PCP)	< 0.1	3	0.1

### 2.2 Test on formaldehyde (EN ISO 14184-1)

	result [mg/kg]	threshold limit "IKEA" [mg/kg]	detection limit [mg/kg]
Formaldehyde	< 20	100	20

### 2.3 Test on nitrosamines (Eurolatex chamber method)

	result [mg/m <sup>3</sup> ]	threshold limit "IKEA" [mg/m <sup>3</sup> ]	detection limit [mg/m <sup>3</sup> ]
Volatile nitrosamines *	< 0.00003	0.001	0.00003 each

\* The test was carried out by an accredited laboratory as sub-contractor.

### 2.4 Test on pesticides (Eurolatex method)

	result [mg/kg]	threshold limit "IKEA" [mg/kg]	detection limit [mg/kg]
Total organo-chlorine	< 0.04	not detectable	0.04
Total organo-phosphorus	< 0.04	not detectable	0.04

### 2.5 Test on butadiene (Eurolatex method)

	result [mg/kg]	threshold limit "IKEA" [mg/kg]	detection limit [mg/kg]
1,3-Butadiene	< 1.0	not detectable	1.0

### 2.6 Test on vinyl chloride (Eurolatex method)

	result [mg/m <sup>3</sup> ]	threshold limit "IKEA" [mg/m <sup>3</sup> ]	detection limit [mg/m <sup>3</sup> ]
Vinyl chloride	< 0.0001	not detectable	0.0001

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Notified Body No. 1658

EN 14041  
EN 14342  
EN 14904

Accredited by Deutsches Institut für Bautechnik (DIBt)  
as testing laboratory, inspection body  
and certification body (PÜZ)

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Accredited for the test procedures mentioned  
in the Addendum to the DAP-Certificate

**2.7 Test on extractable heavy metals <sup>a</sup>**

	result [mg/kg]	threshold limit "IKEA" [mg/kg]	detection limit [mg/kg]
Arsenic*	< 0.04	0.5	0.04
Lead*	< 0.14	0.5	0.14
Cadmium*	< 0.05	0.1	0.05
Chromium (tot.)*	< 0.5	1.0	0.5
Cobalt*	< 0.3	0.5	0.3
Copper*	< 0.6	2.0	0.6
Nickel*	< 0.45	1.0	0.45
Mercury*	< 0.01	0.02	0.01
Antimony*	< 0.2	0.5	0.2

\* The test was carried out by an accredited laboratory as sub-contractor.

**2.8 Test on the emission of volatile organic compounds <sup>a</sup> (Eurolatex method)**

	result [mg/m <sup>3</sup> ]	threshold limit "IKEA" [mg/m <sup>3</sup> ]	detection limit [mg/m <sup>3</sup> ]
<i>Individual substances:</i>			
Toluene	0.007	0.1	0.002
4-Vinylcyclohexene	< 0.002	0.002	0.002
Styrene	< 0.002	0.01	0.002
4-Phenylcyclohexene	< 0.002	0.02	0.002
1,1,1-Trichloroethane	< 0.002	0.2	0.002
Tetrachloroethylene	< 0.002	0.15	0.002
Trichloroethylene	< 0.002	0.05	0.002
<i>Group parameters:</i>			
Aromatic hydrocarbons	0.016	0.3	-
Volatile organic compounds	0.018	0.5	-

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### 2.9 Tinorganic compounds

	result [mg/kg]	threshold limit "IKEA" [mg/kg]	detection limit [mg/kg]
Tin*	< 0.05	0.05	0.05

\* The test was carried out by an accredited laboratory as sub-contractor.

### 3 Rating/Evaluation

The test material complies with the IKEA test specification for "Latex foam cores" (IKEA document type AA-77005-2; IOS-MAT-0012; 2006-01-20).

With <sup>a</sup> marked testings are accredited according to DIN EN ISO/IEC 17025.

Aachen, 2009-04-09

ppa. Dr. Jens-Christian Winkler  
- Authorized Manager -

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