eco-INSTITUT Germany GmbH

Laborprüfung
Laboratory testing
Zertifizierung
Certification

EVALUATION

for eco-INSTITUT-Label Certification

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ECO INSTITUT
TESTED PRODUCT
ID 1214 - 33341 - 001

Report N° 56961-A001-eIL-G

Test objective:	**Certification according to eco-INSTITUT-Label-criteria**
Scope of certification:	**ECODECO wallcoverings without printing**
Certification holder:	UAB Veika Baltosios Vokės g. 37 Lithuania-02243 Vilnius
Test period:	10/12/2021 - 21/01/2022
Date of report:	21/01/2022
Number of pages of report:	6
Certification body:	eco-INSTITUT Germany GmbH, Köln
Test objective fulfilled:	✓
Note:	The report immediately loses its validity upon changes to the composition or the production method of the certified product. The publication of extracts of the report requires the prior written approval of eco-INSTITUT Germany GmbH. More information at www.eco-institut.de/en/advertising

Summary evaluation

The product **ECODECO 210/60** was submitted to an ecological product examination on behalf of **UAB Veika** for the acquisition of the eco-INSTITUT-Label.

The requirements specified in the certification scheme and in the test criteria are met.

As a result of the successful ecological product examination the

eco-INSTITUT-Label

is awarded for the product:
ECODECO wallcoverings without printing
for a period of two years.

Certification number	ID 1214 – 33341 – 001
Test report Number	56961-001-L 56961-001-eIL-G
Validity	06/2023

After expiration of two years it is possible to acquire the eco-INSTITUT-Label for another two year period. For this a pre-certification review and a laboratory test will be accomplished according to the latest eco-INSTITUT-Label test criteria.

Cologne, 21/01/2022

Marc-Anton Dobaj, M.Sc. Crystalline Materials
(Project Manager, responsible for the evaluation)

Arne Herzog
(Project Manager, responsible for the certification)

Expert evaluation

The product **ECODECO 210/60** was submitted to laboratory tests on behalf of **UAB Veika** for an ecological product examination according to the eco-INSTITUT-Label test criteria for mineral building products (status: May 2021).

The basic requirements specified in the test criteria are met. The special requirements specified in the test criteria are met.

Representatively the materials listed in the test report 56961-A001-L dated 21.01.2022 under the overview of samples were examined in the laboratory.

The results documented in the test report were evaluated as follows.[1]

Internal sample number:	**56961-A001**

Test parameters	Result	Limit Value	Within limits [yes/no]
Emission analysis			
Measurement time: 3 days after test chamber loading			
TVOC (total volatile organic compounds)	210 µg/m³	≤ 3000 µg/m³	yes
CMR 1: VOC (incl. VVOC and SVOC) with the following categorisations: Regulation (EC) No. 1272/2008: Category Carc. 1A and 1B, Muta. 1A and 1B, Repr. 1A and 1B; TRGS 905: K1A, K1B, M1A, M1B, R1A, R1B; IARC: Group 1 and 2A; DFG (MAK list): Categories III1, III2 (Sum)	< 1 µg/m³	≤ 1 µg/m³	yes
Measurement time: 28 days after test chamber loading			
CMR 1: VOC (incl. VVOC and SVOC) with the following categorisations: Regulation (EC) No. 1272/2008: Category Carc. 1A and 1B, Muta. 1A and 1B, Repr. 1A and 1B; TRGS 905: K1A, K1B, M1A, M1B, R1A, R1B; IARC: Group 1 and 2A; DFG (MAK list): Categories III1, III2 (Sum)	< 1 µg/m³	≤ 1 µg/m³	yes
CMR 2: VOC (incl. VVOC and SVOC) with the following categorisations: Regulation (EC) No. 1272/2008: Category Carc. 2, Muta. 2, Repr. 2; TRGS 905: K2, M2, R2; IARC: Group 2B; DFG (MAK list): Category III3 (Sum)	1 µg/m³	≤ 50 µg/m³	yes

1 If a measurement result that slightly exceeds the specification is assessed as "not fulfilled", this is based on the agreement of the "shared risk of measurement uncertainty (shared risk approach)". According to this, the probability that the statement is correct is ≥ 50%. Similarly, a result slightly below the specification value also only has a probability of ≥ 50 % of being compliant. I.e., the risk of making a false negative statement regarding the fulfilment of the specification is just as high as the risk of making a false positive statement (more information at https://www.eco-institut.de/en/2019/07/measurement_uncertainty/).

Test parameters	Result	Limit Value	Within limits [yes/no]
TVOC (total volatile organic compounds including SVOC with LCI)	11 µg/m³	≤ 300 µg/m³	yes
TSVOC (total semi-volatile organic compounds)	< 1 µg/m³	≤ 100 µg/m³	yes
VOC (Sum) without LCI	2 µg/m³	≤ 100 µg/m³	yes
Sensitising compounds with the following categorisations: DFG (MAK list): Category IV; Regulation (EC) No. 1272/2008: skin sensitising, respiratory sensitising; TRGS 907 (Sum)	< 1 µg/m³	≤ 100 µg/m³	yes
Bicyclic terpenes (Sum)	< 1 µg/m³	≤ 200 µg/m³	yes
C9 – C14 Alkanes / Isoalkanes (Sum)	< 1 µg/m³	≤ 200 µg/m³	yes
C4 – C11 Aldehydes, acyclic, aliphatic (Sum)	< 1 µg/m³	≤ 100 µg/m³	yes
C6 – C15 Alkyl benzenes (Sum)	< 1 µg/m³	≤ 100 µg/m³	yes
Cresols (Sum)	< 1 µg/m³	≤ 5 µg/m³	yes
Xylene (Sum)	< 1 µg/m³	≤ 100 µg/m³	yes
VOC (individual substances):			
Formaldehyde	< 2 µg/m³	≤ 24 µg/m³	yes
Acetaldehyde	< 2 µg/m³	≤ 24 µg/m³	yes
Ethyl acetate (VVOC)	< 1 µg/m³	≤ 600 µg/m³	yes
Phenol	< 1 µg/m³	≤ 20 µg/m³	yes
Methylisothiazolinone (MIT)	< 1 µg/m³	≤ 1 µg/m³	yes
Octylisothiazolinone (OIT)	< 1 µg/m³	≤ 1 µg/m³	yes
Benzaldehyde	< 1 µg/m³	≤ 20 µg/m³	yes
2-Ethyl-1-hexanol	< 1 µg/m³	≤ 100 µg/m³	yes
Ethylen glycol monobutylether	< 1 µg/m³	≤ 100 µg/m³	yes
2-Hexoxyethanol	< 1 µg/m³	≤ 100 µg/m³	yes
Benzothiazole [1)]	< 1 µg/m³	≤ 15 µg/m³	yes
2-Butoxyethyl acetate	< 1 µg/m³	≤ 200 µg/m³	yes
2-Phenoxyethanol	< 1 µg/m³	≤ 30 µg/m³	yes
Propylene glycol (Propane-1,2-diol)	8 µg/m³	≤ 60 µg/m³	yes
R-Value	0.00	≤ 1.0	yes

1) preliminary, exceeding the limit does not lead to devaluation at present

Test parameters	Result	Limit Value	Within limits [yes/no]
Emission analysis Glycol ethers and Glycol esters			
Measurement time: 28 days after test chamber loading			
Propylene glycol (Propane-1,2-diol)	8 µg/m³	60 µg/m³	yes

Test parameter	Internal sample number	Result	Limit value	Within limits [yes/no]
Further emission and content analyses				
Phthalates (Softeners, sum) DMP,DEP, DPrP, DBP, BBP, DEHP, DNOP, DIBP, BMEP, DHP, DPP, DIPP, PIPP, DINP, DIDP, DIHP, DHNUP, DEHT	56961-A001	< q.l.	≤ 100 mg/kg	yes
Terephthalate DEHT	56961-A001	< q.l.	≤ 100 mg/kg	yes
Diisononyl cyclohexane-1,2-dicarboxylate DINCH	56961-A001	< q.l.	≤ 100 mg/kg	yes
AOX (Absorbable organic halogenated compounds)	56961-A001	< q.l.	≤ 1.0 mg/kg	yes
EOX (Extractable organic halogenated compounds)	56961-A001	< q.l.	≤ 2 mg/kg	yes
Odour	56961-A001	Grade 2.1	≤ Grade 3 (3 days after test chamber loading)	yes

Cologne, 21/01/2022

Marc-Anton Dobaj, M.Sc. Crystalline Materials
(Project Manager)

Attachment:

Test Report N° 56961-A001-L dated 21.01.2022