



Test Report

Test Report No.:27049966

Issue Date:08/11/19(DD/MM/YY)

Client Information:

Supplier No. : S0407
Client Company Name : Tiger New Surface Materials (Suzhou) Co., Ltd.
Contact Address : No.28 Qingdao Road(E), Taicang City, Jiangsu Province
Client Contact Person : Tianhe Dai
IKEA Contacts Person : /
Sample Receive Date : 06/11/19
Date(s) of testing : 06/11/19 to 08/11/19

Sample information by applicant:

Article No. : /
Article Name : /
Article Date Stamp : /

Material Producer : TIGER New Surface Materials((Suzhou)Co.,Ltd

Material Description : Bamboo panels coated with TIGER 52500014

Material Batch Number/Production Date : 20191101

Test Type : Verifying Test

Identification Code : /

Surface coating/covering producer : TIGER New Surface Materials(Suzhou) Co.,Ltd

Surface coating/covering batch number : 20191101

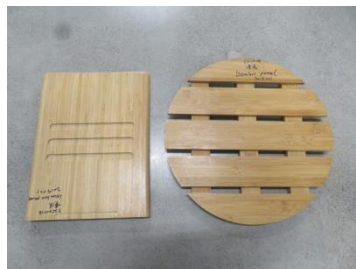
Surface coating/covering trade name : Bamboo panels coated with TIGER 52500014

How, where and when the sample was taken : randomly taken from TIGER production line of bamboo panel

Surface coating/covering applicator : spray

Sample Description : /

Additional Information : Process: sanding then coated with clear coat 52500014



Information By Lab : coating



Test Method:

- 1.Acrylamide Migration acc. to IOS-MAT-0054
- 2.Styrene Migration acc. to IOS-MAT-0054
- 3.Residual Free Monomers and Photo-initiators acc. to IOS-MAT-0066

Remark:

"No Conclusion": combined with the expanded uncertainty, unable to rate the result due to the result both in and out of the limit.

*"/": unable to rate the result due to no limit offered or test result is N.A. / N.T. /N.R. *.*

**For further details, pls refer to the following page(s).*

Per Lundmark
ITCS General Manager

Jenny Liu
Lab Manager
Approved Signatory

The test results exclusively relate to the samples under test sent by customer.

The test report shall not be reproduced except in full, without the written approval of our laboratory.

The test report is not to prove to the society, as well as import & export commodity inspection in China.



1. Determination of Acrylamide Migration

(A) Test Result Summary (For IKEA Specification IOS-MAT-0054: AA-92520-11)

Testing Item	CAS No.	Result, mg/L	IKEA Limit, mg/L
Acrylamide	79-06-1	<0.02	0.02

Remark: "<" denotes "less than"

(B) Test Method

Testing Item	Testing Method
Acrylamide	With reference to EN 71-10:2005 and BS EN 71-11:2005

2. Determination of Styrene Migration

(A) Test Result Summary (For IKEA Specification IOS-MAT-0054: AA-92520-11)

Testing Item	CAS No.	Result, mg/L	IKEA Limit, mg/L
Styrene	100-42-5	<0.5	0.75

Remark: "<" denotes "less than"

(B) Test Method

Testing Item	Testing Method
Styrene	With reference to SS-EN 71-10:2005 and BS EN 71-11:2005

3. Determination of Residual Free Monomers

(A) Test Result Summary (For IKEA Specification IOS-MAT-0066: AA-163938-11)

Testing Item	CAS No.	Result, mg/m ²	IKEA limit, mg/m ²
Acrylic acid (AA)	79-10-7	< 50	/
2-ethylhexyl acrylate (2-EHA)	103-11-7	< 50	/
Isooctyl acrylate	29590-42-9	< 50	/
1,3-butylene glycoldiacrylate	19485-03-1	< 50	/
1,4-butylene glycoldiacrylate	1070-70-8	< 50	/
1,6-hexanediol diacrylate(HDDA)	13048-33-4	< 50	/
Diethylene glycol diacrylate(DEGDA)	4074-88-8	< 50	/
Neopentyl glycol diacrylate	2223-82-7	< 50	/
Pentaerythritol triacrylate(PETIA)	3524-68-3	< 50	/



Testing Item	CAS No.	Result, mg/m ²	IKEA limit, mg/m ²
Pentaerythritol teraacrylate(PETA)	4986-89-4	< 50	/
Tripropylene glycoldiacrylate (TPGDA)	42978-66-5	< 50	/
Trimethylolpropanetriacrylate (TMPTA)	15625-89-5	< 50	/
2-Hydroxyethyl acrylate (2-HEA)	818-61-1	< 50	/
Hydropropyl acrylate (HPA)	25584-83-2	< 50	/
Cyclohexyl acrylate	3066-71-5	< 50	/
Dipropyleneglycoldiacrylate (DPGDA)	57472-68-1	< 50	/
Di-TrimethylpropaneTetraacrylate (Di-TMPTA)	94108-97-1	< 50	/
Sum of residual stenomeric acrylic monomers		< 50	800

Remark: "<" denotes "less than"

(B) Test Method

Testing Item	Testing Method
Residual free monomers	With reference to IOS-TM-0002 section17

Determination of Residual Photo-initiators

(A) Test Result Summary (For IKEA Specification IOS-MAT-0066: AA-163938-11)

Testing Item	CAS No.	Result, mg/m ²	IKEA limit, mg/m ²
2-Hydroxy-2-methyl-1-phenyl-propanone	7473-98-5	< 50	/
Benzophenone	119-61-9	< 50	/
Irgacure 184	947-19-3	< 50	/
Chemark OMBB	606-28-0	< 50	/
2,2-Dimethoxy-2-phenylacetophenone	24650-42-8	< 50	/
Methyl benzoylformate	15206-55-0	< 50	/
Diphenyl (2, 4, 6-trimethylbenzoyl) phosphine oxide	75980-60-8	< 50	/
Ethyl (2,4,6-trimethylbenzoyl) phenylphosphinate (a.k.a.LucirinTPO-L)	84434-11-7	< 50	/
Sum of residual photo-initiators		< 50	See remark (b)

Remark:

(a) "<" denotes "less than"

(b) Roller-coated surfaces:

- 2000 mg/m² if the total applied amount of UV coating is up to 120 g/m² (dry film weight on the substrate),



- 1.7 % (dry film weight on the substrate) if the total applied amount of UV coating is higher than 120 g/m²,
- 3000 mg/m², regardless of the total applied amount of UV coating.

Other UV-coated surfaces:

- No limit (but still test requirement)

(B) Test Method

Testing Item	Testing Method
Residual photo-initiators	With reference to IOS-TM-0002 section17

-----End of Report-----