

## TEST REPORT

Page 1 of 8

**REPORT NUMBER :** TURT200007441  
**APPLICANT NAME** AGT Ağaç San. Tic. A.Ş  
**ADDRESS** O.S.B 3. Kısım 35. Cad. No:7 Döşemealtı/ Antalya  
Tel: 2501/ 2601 Fax: 0242 249 17 27  
**Attention :** Bahar Gültemel (bahar.gultemen@agt.com.tr)  
**SAMPLE DESCRIPTION :** One sample of Wooden item (MDF)  
**DATE IN :** 14 January, 2020 (11:27)  
**DATE OUT :** 11 March, 2020

TEST	Sample
(±)VOC TEST	NR

P = MEETS BUYER' S REQUIREMENT / F = DOES NOT MEET BUYER' S REQUIREMENT / NR = NO REQUIREMENT / SC=STILL CONTINUES / X=NOT PERFORMED / NA = NOT APPLICABLE/ LS : LACK OF SAMPLE

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Merve AYDOĞAN  
Customer Care Executive



Zeynep Akın  
Chemical Laboratory Manager

**Intertek Test Hizmetleri A.S.**  
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200007441

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Test Method	Result	Requirements
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Tested component
MDF plate brown

## Chamber conditions

Temperature: 23 +/- 0.5°C

Rel. humidity: 50 +/- 3%

Air exchange rate: 0.5

## Sample conditions

after 28 days

**Test Method**

**Result**

**Requirements**

(‡) Test results VOC in  $\mu\text{g}/\text{m}^3$

Test method: DIN ISO 16000-6 mod 2012-11\* resp DIN EN 16516 (2018-01)\*

Limit of Quantification:  $1 \mu\text{g}/\text{m}^3$

n.d. = not determinable

Substance	CAS-Nr.	Sample	Note
aromatic hydrocarbons			
Benzene	71-43-2	n.d.	CMR: Carcinogenic cat. 1A; mutagenic cat. 1B
Toluene	108-88-3	2	CMR: toxic for reproduction (Repro.) cat. 2
Ethylbenzenel	100-41-4	n.d.	-
m/p-Xylene	108-38-3	n.d.	-
o-Xylene	95-47-6	n.d.	-
n-Propylbenzene	103-65-1	n.d.	-
Cumene	98-82-8	n.d.	-
1,3,5-Trimethylbenzene	108-67-8	n.d.	-
1,2,4-Trimethylbenzene	95-63-6	n.d.	-
1,2,3-Trimethylbenzene	526-73-8	n.d.	-
2-Ethyltoluene	611-14-3	n.d.	-
3/4-Ethyltoluene	620-14-4 / 622-96-8	n.d.	-
Styrene	100-42-5	n.d.	CMR: Repro cat. 2
a-Methylstyrene	98-83-9	n.d.	-
3-Methylstyrene	100-80-1	n.d.	-
Naphthalene	91-20-3	n.d.	CMR: Carcinogenic cat.2
1-Phenyl-1-cylohexene	771-98-2	n.d.	-
aliphatic hydrocarbons			
n-Hexane	110-54-3	n.d.	CMR: Repro cat. 2
n-Heptane	142-82-5	n.d.	-
n-Octane	111-65-9	n.d.	-
n-Nonane	111-84-2	n.d.	-
n-Decane	124-18-5	n.d.	-
n-Undecane	1120-21-4	n.d.	-
n-Dodecane	112-40-3	n.d.	-
n-Tridecane	629-50-5	n.d.	-
n-Tetradecane	629-59-4	n.d.	-

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**Test Method**

**Result**

**Requirements**

Substance	CAS-Nr.	Sample	Note
n-Pentadecane	629-62-9	n.d.	-
n-Hexadecane	544-76-3	n.d.	-
2-Methylpentane	107-83-5	n.d.	VVOC
3-Methylpentane	96-14-0	n.d.	VVOC
1-Octene	111-66-0	n.d.	-
1-Decene	872-05-9	n.d.	-
trimer Isobutene	7756-94-7	n.d.	-
Isooctane	540-84-1	n.d.	-
Glykole / Glykol-ether, -ester			
1-Methoxy-2-Propanol	107-98-2	n.d.	-
2-Butoxyethanol	111-76-2	n.d.	-
2-Butoxyethoxyethanol	112-34-5	n.d.	-
2-Ethoxyethanol	110-80-5	n.d.	CMR: Repro cat. 1B
2-Methoxyethanol	109-86-4	n.d.	CMR: Repro cat. 1B
2-Phenoxyethanol	122-99-6	n.d.	-
1,2-Dimethoxyethan	110-71-4	n.d.	CMR: Repro cat. 1B
Dimethoxymethan	109-87-5	n.d.	-
Propylenglycol	57-55-6	n.d.	-
Dipropylenglycol mono methylether + Diethylenglycol mono ethylether	34590-94-8 111-90-0	n.d.	-
2-Propoxyethanol	2807-30-9	n.d.	-
2-Methoxyethoxyethanol	109-59-1	n.d.	-
1-Methoxy-2-(2-methoxy ethoxy)ethan	111-96-6	n.d.	CMR: Repro cat. 1B
Dipropylenglykol mono methylether acetat	88917-22-0	n.d.	-
Triethylenglykol dimethylether	112-49-2	n.d.	CMR: Repro cat. 1B
Dipropylenglykol dimethylether	111109-77-4	n.d.	-
Hexylenglykol	107-41-5	n.d.	-
2-Methoxy-1-methylethylacetat	108-65-6	n.d.	-
Ester			
Vinylacetate	108-05-4	n.d.	VVOC; CMR: Carcinogenic cat. 2
Ethylacetate	141-78-6	n.d.	VVOC
Isopropylacetate	108-21-4	n.d.	-
Propylacetate	109-60-4	n.d.	-
iso-Butylacetate	110-19-0	n.d.	-
n-Butylacetate	123-86-4	n.d.	-
Linalylacetate	115-95-7	n.d.	-
Methylacrylate	96-33-3	n.d.	-
Ethylacrylate	140-88-5	n.d.	-

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**Test Method**

**Result**

**Requirements**

Methylmethacrylate	80-62-6	n.d.	-
Butylformiate	592-84-7	n.d.	-
2-Methoxyethylacetate	110-49-6	n.d.	CMR: Repro. cat. 1B
2-Ethoxyethylacetate	111-15-9	n.d.	CMR: Repro. cat. 1B
2-Butoxyethylacetate	112-07-2	n.d.	-
2-Ethylhexylacetate	103-09-3	n.d.	-

Substance	CAS-Nr.	Sample	Note
2,2,4-Trimethylpentandiol-diisobutyrate (TXIB)	6846-50-0	n.d.	-
Terpenes			
-Pinene	7785-26-4	n.d.	-
-Pinene	18172-67-3	n.d.	-
3-Carene	13466-78-9	n.d.	-
Limonene	138-86-3	n.d.	-
a-Cedrene	469-61-4	8	-
b-Caryophyllene	87-44-5	3	-
Eugenol	97-53-0	n.d.	-
Longifolene	475-20-7	n.d.	-
Alcohols			
1-Propanole	71-23-8	n.d.	VVOC
2-Propanole	67-63-0	4	VVOC
2-Methyl-2-propanole	75-65-0	n.d.	-
1-Butanole	71-36-3	n.d.	-
1-Pentanole	71-41-0	2	-
1-Hexanole	111-27-3	n.d.	-
1-Octanole	111-87-5	2	-
2-Ethyl-1-hexanole	104-76-7	n.d.	-
1-Octen-3-ole	3391-86-4	n.d.	-
Phenol	108-95-2	n.d.	CMR: mutagenic cat. 2
Cyclohexanole	108-93-0	n.d.	-
Benzylalcohol	100-51-6	n.d.	-
2,2,4-Trimethyl-1,3-pentandiol-isobutyrate (Texanol)	25265-77-4	n.d.	-
Aldehydes			
Furfural	98-01-1	n.d.	CMR: carcinogenic cat.2
trans-Pentenal	1576-87-0	n.d.	-

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Test Method		Result	Requirements
2-Ethylhexanal	123-05-7	n.d.	
Ketone			
2-Butanone (Ethylmethylketone)	78-93-3	n.d.	-
Acetophenone	98-86-2	n.d.	-
Isophorone	78-59-1	n.d.	CMR: carcinogenic cat. 2
2-Heptanone	110-43-0	n.d.	-
3-Methyl-2-butanone	563-80-4	n.d.	-
4-Methyl-2-pentanone	108-10-1	n.d.	-
Cyclopentanone	120-92-3	n.d.	-
Cyclohexanone	108-94-1	n.d.	-
2-Methylcyclopentanone	1120-72-5	n.d.	-
2-Methylcyclohexanone	583-60-8	n.d.	-
2-Butanonoxim	96-29-7	n.d.	CMR: carcinogenic cat. 2

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**Test Method**

**Result**

**Requirements**

Substance	CAS-Nr.	Sample	Note
4-Methyl-2-pentanon-oxim	105-44-2	n.d.	-
Cycloalkanes			
Methylcyclopentane	96-37-7	n.d.	-
Cyclohexane	110-82-7	n.d.	-
Methycyclohexane	108-87-2	n.d.	-
1,4-Dimethylcyclohexane	589-90-2	n.d.	-
4-Vinyl-1-cyclohexene	100-40-3	n.d.	CMR: carcinogenic cat. 2 R <sub>F</sub> : cat. 2*
halogenated hydrocarbons			
Dichloromethane	75-09-2	n.d.	CMR: carcinogenic cat. 2
1,1,1-Trichloroethane	71-55-6	n.d.	-
Trichloroethene	79-01-6	n.d.	CMR: carcinogenic cat. 1B; mutagenic cat. 2
Tetrachloroethene	127-18-4	n.d.	CMR: carcinogenic cat. 2 R <sub>0</sub> : cat. 2*
1,4-Dichlorobenzene	106-46-7	n.d.	CMR: carcinogenic cat. 2
Further substances			
1,4-Dioxane	123-91-1	n.d.	CMR: carcinogenic cat.2
1-Methyl-2-pyrrolidinone	872-50-4	n.d.	CMR: Repro. cat. 1B
2-Methylfurane	534-22-5	n.d.	-
2-Pentylfurane	3777-69-3	n.d.	-
Aniline	62-53-3	n.d.	CMR: carcinogenic cat. 2; mutagenic cat. 2
Indene	95-13-6	n.d.	-
Nitrobenzene	98-95-3	n.d.	CMR: carcinogenic cat. 2 R <sub>F</sub> : cat. 1B
Pyridine	110-86-1	n.d.	-
Tetrahydrofurane (THF)	109-99-9	n.d.	CMR: carcinogenic cat. 2
Dimethylphthalate	131-11-3	n.d.	-
N,N-Dimethylformamide	68-12-2	n.d.	CMR: Repro. cat. 1B
Sum		21	
Sum VVOC		4	
Sum VOC (-VVOC)		17	
Additionally, a screening was performed. There were no further substances detected in a significant concentration range.			

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**Test Method**

**Result**

**Requirements**

(‡) Test results Aldehydes in  $\mu\text{g}/\text{m}^3$

Test method: DIN ISO 16000-3 2013-01\* resp DIN EN 16516 (2018-01)\*

Limit of Quantification:  $3 \mu\text{g}/\text{m}^3$

n.d. = not determinable

Substance	CAS-Nr.	Sample	Note
Formaldehyde	50-00-0	190	EU: carcinogenic cat. 1B; mutagenic cat. 2
Acetaldehyde	75-07-0	5	VVOC EU: carcinogenic cat. 1B; mutagenic cat. 2
Acroleine	110-62-3	n.d.	-
Propionaldehyde	123-38-6	3	-
Salicylaldehyde	90-02-8	n.d.	-
Crotonaldehyde	4170-30-3	n.d.	EU: mutagenic cat. 2
Butyraldehyde	123-72-8	n.d.	VVOC (TRGS 900: $64000 \mu\text{g}/\text{m}^3$ )
Benzaldehyde	100-52-7	7	-
Isovaleraldehyde	590-86-3	n.d.	
Valeraldehyde	110-62-3	2	-
o-Tolylaldehyde	529-20-4	n.d.	
m-Tolylaldehyde	620-23-5	n.d.	
p-Tolylaldehyde	104-87-0	n.d.	
Hexanale	66-25-1	21	-
2,5-Dimethylbenzaldehyde	5779-94-2	n.d.	
Heptanale	111-71-7	n.d.	-
Octanale	124-13-0	n.d.	-
Nonanale	124-19-6	n.d.	-
Decanale	112-31-2	n.d.	-
Sum Aldehydes		228	
Sum Aldehydes for TVOC		30	
TVOC		47	

(‡)This test was subcontracted to Intertek Germany.

## END OF TEST REPORT ##