

ANALYSIS REPORT

(Industrial Services)

Report no : 29109288-125.05- 3833/26644”R”

Barcode no : 23T0000841-1,2,3,4,5,6,7,8

Report date : 20/ 12 / 2023

Requested by : ARTEKYA Teknoloji Ltd. Şti

Address : TÜBİTAK MAM Teknoloji Serbest Bölge Şubesi Yeni Teknoloji Binaları D Blok
Zemin Kat Gebze/KOCAELİ

Subject : VOC analysis

The results in this report are valid only for the analyzed samples.

Approved by



Doç. Dr. Faruk DİNÇER
Climate Change and Sustainability Vice Presidency
Industrial Service Specialist

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The marked (*) analyses are accredited. Analysis reports without authorized signature are not valid.

TUBİTAK MAM is accredited by TURKAK under registration number AB-0378-T for TS EN 17025:2017 as test laboratory.

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The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report. In the absence of customer demand for the decision rule, the simple decision rule is applied in reporting the analysis results.

This report is prepared as two originals (one for the customer, one for the MRC) and contains 3 pages .

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Requested by : ARTEKYA Teknoloji Ltd. Şti.	
Address : TÜBİTAK MAM Teknoloji Serbest Bölge Şubesi Yeni Teknoloji Binaları D Blok Zemin Kat Gebze/KOCAELİ	
Sample : Nano coating products	Barcode no : 23T0000841
Number of samples : 8	Institute sample register no : 23T / 841 / 1,2,3,4,5,6,7,8
Sample handling : By consumer	Expiry date : ---
Condition of sample at reception: Suitable	Reception date and time : 04.12.2023
	Date of the analysis : 04 – 20.12.2023
Information on retention samples: () Sample returned to the customer () Retention sample available (X) Retention sample is not taken	
REPORT	
The application for VOC analysis in the samples sent by ARTEKYA Teknoloji Ltd. Şti. has been recorded with MAM document number 18449 . The amount of VOC compounds in the samples was determined with the HeadSpace GC-MS analysis system. MAM document numbers of the samples are given in Table 1, and the analysis results are given in the Appendix.	
Table 1. MAM registration numbers of the samples	
23T841-1	MP55 / Metalguard Marine / Anti-GRM / NL272 / Omniphob M59 / ZR53 /Omniphob M39 / MetalCoat F2 / Omniphob M17 / XR03 / Omniphob MG09 / CoatPlus / Omniphob M06 / Marinecoat Fast / Goglide / PerShine / Marinecoat One / Detailer Shine
23T841-2	BCT-117 / NeoCoatX / Omniphob M07 / PPFGuard / FCC
23T841-3	T-Plus / LeatherBoost / LC12 / Leathercoat Marine / Headlight Restorer
23T841-4	TrimCoat / P45
23T841-5	Bug Film / TempoRoad / TF / Clean / Clean Marine
23T841-6	Z-WB / T-WB / W-WB / CabinShine / Rapid Shine
23T841-7	C / C1 / GlasShield /GlasShieldWipe-on / GlassShieldLite /HomeShine / T /T1 / CabinCare / Nano Seat Protect / Home Tex / Fabriccoat Marine / PerShoes / PerWear / W / Home Wood / Deck Coat Marine / Z / Anti-VRL / New Car Smell
23T841-8	Tem APC Pro / Tem APC Pro Marine / Cleanion Pro New Formula / Cleanion Pro Marine / Leather Cleaner
Notes: The analysis and related protocols are based on the information/sample provided by the customer, the results apply to the sample as received and described. TÜBİTAK MAM is not responsible for the information/sampling provided by the customer. This report is the revised version of the report numbered 3833/26644, dated 20/12/2023. Revised report number: 26644. Inadvertent spelling and naming errors in the report have been corrected in line with customer request.	
Authorized Signatures :  53688	
This report and results can not be used for commercial and advertisement purposes by the demanding enterprise or its customers. Complete or part of this report cannot be copied or published. The marked (*) analyses are accredited. Analysis reports without authorized signature are not valid	
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APPENDIX

Table 1. VOC Analysis results

VOCs (ppm)	23T841-1	23T841-2	23T841-3	23T841-4	23T841-5	23T841-6	23T841-7	23T841-8
	mg/kg (ppm)							
3-chloro-1-propene (allylchloride)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dichloromethane	1.14	0.50	3.29	0.60	2.25	2.08	< 0.10	7.29
1.2-Dichloroethane	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trichloromethane	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1.1.1-Trichloroethane	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Tetrachloromethane	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trichloroethene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromodichloromethane	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Toluene	0.26	0.72	378.33	0.97	1.42	< 0.10	< 0.10	< 0.10
1.1.2-Trichloroethane	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Tetrachloroethene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibromochloromethane	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1.1.1.2-Tetrachloroethane	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Ethylbenzene	< 0.10	0.38	23.71	0.43	0.10	< 0.10	< 0.10	< 0.10
p-m-xylene	0.22	0.27	99.64	< 0.10	0.17	< 0.10	0.54	< 0.10
o-xylene	0.44	0.24	30.89	0.10	0.10	< 0.10	< 0.10	< 0.10
Styrene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Tribromomethane	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Isopropylbenzene	0.30	0.31	1.91	0.79	0.20	< 0.10	< 0.10	0.37
1.1.1.2-Tetrachloroethane	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
n-Propylbenzene	1.34	0.57	0.67	1.07	0.62	< 0.10	< 0.10	1.84
1.3.5-Trimethylbenzene	< 0.10	< 0.10	2.66	4.03	0.63	< 0.10	< 0.10	< 0.10
1.1.1.2-Tetrabromoethane	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1.2.4-Trimethylbenzene	0.78	1.28	15.69	2.49	1.88	< 0.10	< 0.10	< 0.10
1.3-Dichlorobenzene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1.4-Dichlorobenzene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	4.65
1.2-Dichlorobenzene	0.13	0.14	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1.3.5-Trichlorobenzene	2.40	0.77	2.42	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1.2.4-Trichlorobenzene	< 0.10	1.58	14.83	< 0.10	0.84	< 0.10	< 0.10	< 0.10
Hexachloro-1.3-butadiene	< 0.10	< 0.10	< 0.10	3.23	< 0.10	< 0.10	< 0.10	< 0.10
Naphthalene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1.2.3-Trichlorobenzene	< 0.10	< 0.10	13.96	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10