# TEST REPORT



**REPORT NUMBER :** **TURA140052965**

**APPLICANT NAME** **Aytas Alçı Enerji Maden ve İnş.San.Tic.A.Ş.**

**ADDRESS** Turan Güneş Bulvarı 12/14 Yıldız / Ankara
**Attention : Oğuz Ayrancıoğlu (oayrancioglu@aygips.com.tr)**
**Fax :** 0312 473 85 25

**SAMPLE DESCRIPTION :** Aypan White Sheet

**DATE IN :** **08 April, 2014 (13:59)**

**DATE OUT :** **30 April, 2014**

| TEST | Sample 1 |
|---|---|
| (‡) SCREENING ON VOLATILE SUBSTANCES | P |

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



Bora Şirinbilek
Coordinator

Neslihan Sözer
Chemical Laboratory Manager

**Intertek Test Hizmetleri A.S.**
**Merkez Mahallesi Sanayi Cad. No.23 Altindag Plaza Yenibosna 34197 - ISTANBUL / TURKEY**
**Phone : +90.212. 496 46 46 Fax: +90.212. 452 80 55**
**e-mail :intertekcg.turkiye@intertek.com**
**www.intertek-turkey.com**

## 1. Sampling Conditions

### 1.1 Chamber conditions

Temperature : 23 +/-0.5 ºC
Rel. humidity : 50 +/-3%
Air exchange rate : 1

### 1.2. Sample conditions

After 3 days

## 2. Test results

### 2.1 Test results VOC in µg/m³

Test method: DIN ISO 16000-6 mod*
Limit of Quantification: 1 µg/m³
n.d. = Not determinable

| Substance | CAS-Nr. | Sample |
|---|---|---|
| **aromatic hydrocarbons** | | |
| Benzene | 71-43-2 | n.d. |
| Toluene | 108-88-3 | 3 |
| 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 | 5 |
| a-Methylstyrene | 98-83-9 | n.d. |
| 3-Methylstyrene | 100-80-1 | n.d. |
| Naphthalene | 91-20-3 | n.d. |
| 1-Phenyl-1-cylohexene | 771-98-2 | 2 |
| **aliphatic hydrocarbons** | | |
| n-Hexane | 110-54-3 | n.d. |
| 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 | 1 |
| n-Undecane | 1120-21-4 | 3 |
| n-Dodecane | 112-40-3 | 2 |
| n-Tridecane | 629-50-5 | n.d. |
| n-Tetradecane | 629-59-4 | n.d. |
| n-Pentadecane | 629-62-9 | n.d. |
| n-Hexadecane | 544-76-3 | n.d. |
| 2-Methylpentane | 107-83-5 | n.d. |
| 3-Methylpentane | 96-14-0 | n.d. |
| 1-Octene | 111-66-0 | n.d. |
| 1-Decene | 872-05-9 | 3 |
| trimer Isobutene | 7756-94-7 | n.d. |
| Isooctane | 540-84-1 | n.d. |
| | | |
| | | |
| **Glykole / Glykol-ether, -ester** | | |
| 1-Methoxy-2-Propanol | 107-98-2 | 6 |
| 2-Butoxyethanol | 111-76-2 | 3 |
| 2-Butoxyethoxyethanol | 112-34-5 | n.d. |

| | | |
|---|---|---|
| 2-Ethoxyethanol | 110-80-5 | n.d. |
| 2-Methoxyethanol | 109-86-4 | n.d. |
| 2-Phenoxyethanol | 122-99-6 | n.d. |
| 1,2-Dimethoxyethan | 110-71-4 | 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 | 7 |
| 2-Methoxyethoxyethanol | 109-59-1 | n.d. |
| 1-Methoxy-2-(2-methoxy ethoxy)ethan | 111-96-6 | n.d. |
| Dipropylenglykol mono methyletheracetat | 88917-22-0 | n.d. |
| Triethylenglykol dimethylether | 112-49-2 | n.d. |
| 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. |
| Ethylacetate | 141-78-6 | 2 |
| Isopropylacetate | 108-21-4 | n.d. |
| Propylacetate | 109-60-4 | n.d. |
| iso-Butylacetate | 110-19-0 | n.d. |
| n-Butylacetate | 123-86-4 | 3 |
| Linalylacetate | 115-95-7 | 3 |
| Methylacrylate | 96-33-3 | n.d. |
| Ethylacrylate | 140-88-5 | n.d. |
| Methylmethacrylate | 80-62-6 | n.d. |
| Butylformiate | 592-84-7 | n.d. |
| 2-Methoxyethylacetate | 110-49-6 | n.d. |
| 2-Ethoxylethylacetate | 111-15-9 | n.d. |
| 2-Butoxyethylacetate | 112-07-2 | n.d. |
| 2-Ethylhexylacetate | 103-09-3 | n.d. |
| 2,2,4-Trimethylpentandiol-diisobutyrate (TXIB) | 6846-50-0 | n.d. |
| Terpenes | | |
| α-Pinene | 7785-26-4 | n.d. |
| β-Pinene | 18172-67-3 | n.d. |
| 3-Carene | 13466-78-9 | n.d. |
| Limonene | 138-86-3 | n.d. |
| Alcohols | | |
| 1-Propanole | 71-23-8 | n.d. |
| 2-Propanole | 67-63-0 | n.d. |
| 2-Methyl-2-propanole | 75-65-0 | n.d. |
| 1-Butanole | 71-36-3 | 26 |
| 1-Pentanole | 71-41-0 | n.d. |
| 1-Hexanole | 111-27-3 | n.d. |
| 1-Octanole | 111-87-5 | n.d. |
| 2-Ethyl-1-hexanole | 104-76-7 | 6 |
| 1-Octen-3-ole | 3391-86-4 | 2 |
| Phenol | 108-95-2 | 1 |
| Cyclohexanole | 108-93-0 | n.d. |
| Benzylalcohol | 100-51-6 | n.d. |
| 2,2,4-Trimethyl-1,3-pentandiol- | 25265-77-4 | n.d. |



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| | | |
|---|---|---|
| isobutyrate (Texanol) | | |
| Aldehydes | | |
| Propanal | 123-38-6 | See Aldehydes |
| Butanal | 123-72-8 | |
| Pentanal | 110-62-3 | |
| Hexanal | 66-25-1 | |
| Heptanal | 111-71-7 | |
| Octanal | 124-13-0 | |
| Nonanal | 124-19-6 | |
| Decanal | 112-31-2 | |
| Benzaldehyd | 100-52-7 | |
| Furfural | 98-01-1 | n.d. |
| trans-Pentenal | 1576-87-0 | n.d. |
| 2-Ethylhexanal | 123-05-7 | n.d. |
| Ketone | | |
| 2-Butanone (Ethylmethylketone) | 78-93-3 | n.d. |
| Acetophenone | 98-86-2 | 2 |
| Isophorone | 78-59-1 | n.d. |
| 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. |
| 4-Methyl-2-pentanon-oxim | 105-44-2 | 3 |
| Cycloalkanes | | |
| Methylcyclopentane | 96-37-7 | 2 |
| Cyclohexane | 110-82-7 | 20 |
| Methycyclohexane | 108-87-2 | n.d. |
| 1,4-Dimethylcyclohexane | 589-90-2 | n.d. |
| 4-Vinyl-1-cyclohexene | 100-40-3 | n.d. |
| halogenated hydrocarbons | | |
| Dichlormethane | 75-09-2 | n.d. |
| 1,1,1-Trichlorethane | 71-55-6 | n.d. |
| Trichlorethene | 79-01-6 | n.d. |
| Tetrachlorethene | 127-18-4 | n.d. |
| 1,4-Dichlorbenzene | 106-46-7 | n.d. |
| Further substances | | |
| 1,4-Dioxane | 123-91-1 | n.d. |
| 1-Methyl-2-pyrrolidinone | 872-50-4 | n.d. |
| 2-Methylfurane | 534-22-5 | n.d. |
| 2-Pentylfurane | 3777-69-3 | n.d. |
| Aniline | 62-53-3 | n.d. |
| Indene | 95-13-6 | n.d. |
| Nitrobenzene | 98-95-3 | n.d. |
| Pyridine | 110-86-1 | n.d. |
| Tetrahydrofurane (THF) | 109-99-9 | n.d. |
| Dimethylphthalate | 131-11-3 | n.d. |
| Sum | | 100 |



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Additionally a screening was performed. There were no further substances detected in a significant concentration range.

**2.2 Test results Aldehydes in µg/m³**

Test method: DIN ISO 16000-3/6*
Limit of Quantification: 3 µg/m³
n.d. = Not determinable

| Substance | CAS-Nr. | sample |
|---|---|---|
| Formaldehyde | 50-00-0 | n.d. |
| Acetaldehyde | 75-07-0 | n.d. |
| Acroleine | 110-62-3 | n.d. |
| Propionaldehyde | 123-38-6 | n.d. |
| Salicylaldehyde | 90-02-8 | n.d. |
| Crotonaldehyde | 4170-30-3 | n.d. |
| Butyraldehyde | 123-72-8 | n.d. |
| Benzaldehyde | 100-52-7 | n.d. |
| Isovaleraldehyde | 590-86-3 | n.d. |
| Valeraldehyde | 110-62-3 | n.d. |
| 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 | n.d. |
| 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** | | **n.d.** |
| **Sum Aldehydes for TVOC** | | **n.d.** |

| | |
|---|---|
| **Sum TVOC in µg/m³** | **100** |

**(‡)This test was performed in Intertek Germany**

## END OF TEST REPORT ##