

## TEST REPORT

DATE: 06-10-2020

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TEST NUMBER: 0404425

<b>CLIENT</b>	Synlawn
<b>TEST CONDUCTED</b>	CAL 1350 Emissions Testing
<b>PRODUCT NAME</b>	SYNAugustine Line
<b>DESCRIPTION OF PRODUCT TESTED</b>	Turf

### CAL 01350 Test Report

The submitted product was tested for VOC emissions by test method-ASTM D5116 Modified Organic Emissions Testing. The capture media used were Solid Sorbent Tubes (Tenax TA/Carbon) and 2,4 DNPH on SiO<sub>2</sub>. The day 11 results below show the highest levels detected over the 4 timed readings.

#### **CONDITIONS:**

Sample Area	0.0512 m <sup>2</sup>
Chamber ID	I-116
Chamber Volume	0.0505 m <sup>3</sup>
Chamber Loading	1.0 m <sup>2</sup> /m <sup>3</sup>
Sampling Time	10 day conditioning + 96 hours
Date/Time	5/23/2020 @ 0900 – 6/6/2020 @ 0900
Temperature	23° C (+/-2) 23.6
Relative Humidity	50% (+/-10) 52.0%
Pressure	Normal
Air Change Rate Per Hour	1.0
Chamber Background Target Level	Pass/Clean
Capture Media	2,4 DNPH on SiO <sub>2</sub> and Solid Sorbent Tubes (Tenax TA/Carbon)

**APPROVED BY:**



This report is provided for the exclusive use of the client to whom it is addressed. It may be used in its entirety to gain product acceptance from duly constituted authorities. This report applies only to those samples tested and is not necessarily indicative of apparently identical or similar products. This report, or the name of Professional Testing Laboratory Inc. shall not be used under any circumstance in advertising to the general public.

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**TEST RESULTS**

Test			Test Results		
Results					
VOC Name	Calculated Emission Factor (µg/m <sup>2</sup> hr)	CRI Maximum Emission Factor (µg/m <sup>2</sup> hr)	VOC Name	Calculated Emission Factor (µg/m <sup>2</sup> hr)	CRI Maximum Emission Factor (µg/m <sup>2</sup> hr)
1,1-Dichloroethylene	<4.0	66	Isophorone <sup>2</sup>	<10.0	1870
1,4-Dichlorobenzene <sup>1,2</sup>	<4.0	750	Isopropanol	<10.0	6560
1,4-Dioxane <sup>1,2</sup>	<4.0	2810	Methyl Chloroform	<4.0	281
Acetaldehyde <sup>1,2</sup>	<5.0	131	Methylene Chloride <sup>2</sup>	<4.0	375
Benzene <sup>1,2</sup>	<1.0	2.8	MTBE <sup>2</sup>	<10.0	7500
Carbon Disulfide <sup>1,2</sup>	<10.0	750	N,N-Dimethylformamide	<10.0	75
Carbon Tetrachloride <sup>1,2</sup>	<4.0	38	Napthalene <sup>1,2</sup>	<0.1	0.4
Chlorobenzene <sup>2</sup>	<4.0	937	Phenol <sup>2</sup>	<10.0	188
Chloroform <sup>1,2</sup>	<4.0	281	Tetrachloroethylene <sup>1,2</sup>	<4.0	33
Epichlorohydrin <sup>1,2</sup>	<1.0	2.8	Styrene <sup>1,2</sup>	<4.0	844
Ethyl Benzene <sup>1,2</sup>	<4.0	1870	Toluene <sup>1,2</sup>	<4.0	281
Ethylene Glycol <sup>2</sup>	<4.0	375	Trichloroethylene <sup>1,2</sup>	<4.0	562
Formaldehyde <sup>1,2</sup>	<5.0	17	Vinyl Acetate <sup>2</sup>	<4.0	188
Hexane <sup>2</sup>	<4.0	6560	Xylenes m, p, o-xylene combined <sup>2</sup>	<12.0	656
Total VOC's (TVOC)	32	N/A			

\*Assumes a 24'x40'x8.5' classroom with a ventilation rate of 0.82 h<sup>-1</sup> and a 10'x12'x9' private office with a ventilation rate of 0.68 h<sup>-1</sup> as defined by CDPH/EHLB/Standard Method V.1.2

1 Compound included on Cal/EPA OEHHA Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) list.

2 Compound included on Cal/EPA ARB list of Toxic Air Contaminants (TAC)

± Criteria presented are for CRI GLP 14-day and 24-hour tests.

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