



TEST REPORT

DATE: 09-24-2019

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TEST NUMBER: 0259964

CLIENT	Palziv North America
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TEST METHOD CONDUCTED	CAL 1350 Emissions Testing
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	ECF
COLOR	Tan

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 SiO₂. The day 11 results below show the highest levels detected over the 4 timed readings.

CONDITIONS:

Sample Area	0.0502 m ²
Chamber ID	ID-CD
Chamber Volume	0.0506 m ³
Chamber Loading	1.0 m ² /m ³
Sampling Time	10 day conditioning + 96 hours
Date/Time	8/27/19@ 10:00 – 9/10/19 @ 10:00
Temperature	23° C (+/-2) 23.2
Relative Humidity	50% (+/-10) 51.5%
Pressure	Normal
Air Change Rate Per Hour	1.0
Chamber Background Target Level	Pass/Clean
Capture Media	2,4 DNPH on SiO ₂ 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 Results		Test Results	
Target Compound	Emission (µg/m³)	Target Compound	Emission (µg/m³)
1,1-Dichloroethylene	<1.0	Formaldehyde	<5.0
1,4-Dichlorobenzene	<4.0	Hexane	<4.0
1,4-Dioxane	<4.0	Isophorone	<10.0
Acetaldehyde	<5.0	Isopropanol	<10.0
Benzene	<1.0	Methyl Chloroform	<4.0
Carbon Disulfide	<10.0	Methylene Chloride	<4.0
Carbon Tetrachloride	<4.0	Methyl tert-butyl Ether	<10.0
Chlorobenzene	<4.0	N,N-Dimethylformamide	<10.0
Chloroform	<4.0	Napthalene	<4.0
Epichlorohydrin	<1.0	Phenol	<10.0
Ethyl Benzene	<4.0	Propylene glycol Monomethyl ether	<10.0
Ethylene Glycol	<4.0	Styrene	<4.0
E.G. Monoethyl ether	<4.0	Tetrachlorethylene	<4.0
E.G. Monoethyl ether acetate	<4.0	Toluene	<4.0
Ethylene glycol Monomethyl ether	<4.0	Trichloroethylene	<4.0
E.G. Momomethyl ether acetate	<4.0	Vinyl Acetate	<4.0
TVOC	18.4	Xylenes	<12.0

All chemicals of concern were found to be under the CAL 1350 required criteria at the 11, 12 13, and 14 day marks indicating the material as submitted meets the requirements set forth under CAL 01350.

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	Cut Pile Carpet Sample
Emission Factor	16.8 ugm ² /hr
Classroom Concentration	1.4 ugm ² /hr
Office Concentration	49 ugm ² /hr
Maximum Allowable Concentration	100 ugm ² /hr

*Modeled to 94.6 square meters of area in a CDPH defined classroom and 33.4 square meters of area in a CDPH defined private office.

a) Refer to http://www.oehha.ca.gov/air/chronic_rels/AllChrels.htm. All maximum allowable concentrations are one-half the corresponding CREL adopted by Cal/EPA OEHHA with the exception of formaldehyde. For any future changes in the CREL list by OEHHA, values in Table 4.1 shall continue to apply until these changes are published in the Standard Method.

The sample was placed in a sealed test chamber for 10 days for conditioning with an air exchange rate of 1.0(+/-0.5) at 23 C (+/-2) and a relative humidity of 50% +/-10%. After conditioning the chamber test was started.

At the end of the 96 hours, the chamber atmosphere was sampled. The aldehydes were ran by HPLC. Volatile and Semi-volatiles compounds were quantified and qualified by TD GC/MC.

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