

March 2019

Product Distributor: Rollease Acmeda

Testing Laboratory: Berkley Analytical

Risk Assessor: Labeling Sustainability Inc.

Supplier Declaration of Conformity and Claim of Low VOC Content – Alkenz 3000 NET Fabric

The VOC assessment for the VOCs off gassed by the fabric **3000 NET 1% N903 98.4"**, referred to for the test as Kit 2, distributed by Rollease Acmeda was tested by Berkley Analytical, in test report number 1135-001-02A-Dec2118.

Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers Version 1.2 was performed with the intent of determining the state of compliance of the materials for USGBC LEED v4, MR credit for Low Emitting Materials. A complete listing of all fabrics included in the tested system products Kit 2: **3000 NET 1% N903 98.4"**, are detailed in Table 1. All calculations and assumptions are based on the model data that is for predicted VOC concentration in air in 30.6 m3 of an indoor environment. For purposes of the report and subsequent calculations it is referred to Private Office (30.6 m3).

In accordance with the Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers Version 1.2 as prepared by the California Department of Public Health, dated January 2017, Section 8.7.1.5

"A range of product models, brands and/or styles with varying characteristics may be grouped together for testing purposes if the products can be expected to have virtually the same performance during testing and use. A test group shall only include models which are made using the same production methods and are comprised of the same product ingredients (formulation). The test sample shall be selected from the model in the group that can be expected to give the worst results for the test taking into consideration special attributes, materials, methods of manufacturing, suppliers, etc." (2)

This allows for the full line of fabrics distributed by Rollease Acmeda to be listed in Table 1. An excerpt from the full reports by Berkeley Analytical, number 1135-001-02A-Dec2118 are included as evidence of the full system tested.

Table 1: Fabrics covered by test Kit 1, Bold type denotes actual fabric tested

ITEM #	Item Description
030012000N001	3000 NET 1% N001 78.7" White/White
030012000N002	3000 NET 1% N002 78.7" White/Beige
030012000N003	3000 NET 1% N003 78.7" White/Gray
030012000N203	3000 NET 1% N203 78.7" Beige/Gray
030012000N901	3000 NET 1% N901 78.7" Charcoal/Charcoal
030012500N001	3000 NET 1% N001 98.4" White/White
030012500N002	3000 NET 1% N002 98.4" White/Beige
030012500N003	3000 NET 1% N003 98.4" White/Gray

030012500N203	3000 NET 1% N203 98.4" Beige/Gray
030012500N301	3000 NET 1% N301 98.4" Gray/Gray
030012500N901	3000 NET 1% N901 98.4" Charcoal/Charcoal
030012500N902	3000 NET 1% N902 98.4" Charcoal/Bronze
030012500N903	3000 NET 1% N903 98.4" Charcoal/Gray
030013000N001	3000 NET 1% N001 118" White/White
030013000N002	3000 NET 1% N002 118" White/Beige
030013000N003	3000 NET 1% N003 118" White/Gray
030013000N201	3000 NET 1% N201 118" Beige/Beige
030013000N203	3000 NET 1% N203 118" Beige/Gray
030013000N301	3000 NET 1% N301 118" Gray/Gray
030013000N901	3000 NET 1% N901 118" Charcoal/Charcoal
030013000N902	3000 NET 1% N902 118" Charcoal/Bronze
030013000N903	3000 NET 1% N903 118" Charcoal/Gray
030032000N001	3000 NET 3% N001 78.7" White/White
030032000N002	3000 NET 3% N002 78.7" White/Beige
030032000N003	3000 NET 3% N003 78.7" White/Gray
030032000N203	3000 NET 3% N203 78.7" Beige/Gray
030032000N301	3000 NET 3% N301 78.7" Gray/Gray
030032000N901	3000 NET 3% N901 78.7" Charcoal/Charcoal
030032000N902	3000 NET 3% N902 78.7" Charcoal/Bronze
030032000N903	3000 NET 3% N903 78.7" Charcoal/Gray
030032500HT01	3000 HT 3% HT01 98.4" White/White
030032500HT02	3000 HT 3% HT02 98.4" White/Beige
030032500HT03	3000 HT 3% HT03 98.4" White/Lt Gray
030032500HT04	3000 HT 3% HT04 98.4" White/Dim Gray
030032500HT08	3000 HT 3% HT08 98.4" White/Bronze
030032500HT09	3000 HT 3% HT09 98.4" White/Charcoal
030032500N001	3000 NET 3% N001 98.4" White/White
030032500N002	3000 NET 3% N002 98.4" White/Beige
030032500N003	3000 NET 3% N003 98.4" White/Gray
030032500N201	3000 NET 3% N201 98.4" Beige/Beige
030032500N203	3000 NET 3% N203 98.4" Beige/Gray
030032500N301	3000 NET 3% N301 98.4" Gray/Gray
030032500N901	3000 NET 3% N901 98.4" Charcoal/Charcoal
030032500N902	3000 NET 3% N902 98.4" Charcoal/Bronze

030032500N903	3000 NET 3% N903 98.4" Charcoal/Gray
030032500RR10	3000 RR 3% RR10 98.4" White/White
030032500RR12	3000 RR 3% RR12 98.4" White/Beige
030032500RR13	3000 RR 3% RR13 98.4" White/Lt Gray
030032500RR23	3000 RR 3% RR23 98.4" Beige/Lt Gray
030032500RR28	3000 RR 3% RR28 98.4" Beige/Bronze
030032500RR82	3000 RR 3% RR82 98.4" Bronze/Sable
030032500RR84	3000 RR 3% RR84 98.4" Bronze/Dim Gray
030032500RR89	3000 RR 3% RR89 98.4" Bronze/Charcoal
030032500RR90	3000 RR 3% RR90 98.4" Charcoal/Charcoal
030032500RR94	3000 RR 3% RR94 98.4" Charcoal/Dim Gray
030033000N001	3000 NET 3% N001 118" White/White
030033000N002	3000 NET 3% N002 118" White/Beige
030033000N003	3000 NET 3% N003 118" White/Gray
030033000N201	3000 NET 3% N201 118" Beige/Beige
030033000N203	3000 NET 3% N203 118" Beige/Gray
030033000N301	3000 NET 3% N301 118" Gray/Gray
030033000N901	3000 NET 3% N901 118" Charcoal/Charcoal
030033000N902	3000 NET 3% N902 118" Charcoal/Bronze
030033000N903	3000 NET 3% N903 118" Charcoal/Gray
030052000N001	3000 NET 5% N001 78.7" White/White
030052000N002	3000 NET 5% N002 78.7" White/Beige
030052000N003	3000 NET 5% N003 78.7" White/Gray
030052000N201	3000 NET 5% N201 78.7" Beige/Beige
030052000N203	3000 NET 5% N203 78.7" Beige/Gray
030052000N301	3000 NET 5% N301 78.7" Gray/Gray
030052000N901	3000 NET 5% N901 78.7" Charcoal/Charcoal
030052000N902	3000 NET 5% N902 78.7" Charcoal/Bronze
030052000N903	3000 NET 5% N903 78.7" Charcoal/Gray
030052500HT01	3000 HT 5% HT01 98.4" White/White
030052500HT02	3000 HT 5% HT02 98.4" White/Beige
030052500HT03	3000 HT 5% HT03 98.4" White/Lt Gray
030052500HT04	3000 HT 5% HT04 98.4" White/Dim Gray
030052500HT08	3000 HT 5% HT08 98.4" White/Bronze
030052500HT09	3000 HT 5% HT09 98.4" White/Charcoal
030052500N001	3000 NET 5% N001 98.4" White/White

030052500N002	3000 NET 5% N002 98.4" White/Beige
030052500N003	3000 NET 5% N003 98.4" White/Gray
030052500N201	3000 NET 5% N201 98.4" Beige/Beige
030052500N202	3000 NET 5% N202 98.4" Beige/Sable
030052500N203	3000 NET 5% N203 98.4" Beige/Gray
030052500N301	3000 NET 5% N301 98.4" Gray/Gray
030052500N302	3000 NET 5% N302 98.4" Gray/Dark Gray
030052500N304	3000 NET 5% N304 98.4" Gray/Blue
030052500N801	3000 NET 5% N801 98.4" Bronze/Bronze
030052500N901	3000 NET 5% N901 98.4" Charcoal/Charcoal
030052500N902	3000 NET 5% N902 98.4" Charcoal/Bronze
030052500N903	3000 NET 5% N903 98.4" Charcoal/Gray
030053000N001	3000 NET 5% N001 118" White/White
030053000N002	3000 NET 5% N002 118" White/Beige
030053000N003	3000 NET 5% N003 118" White/Gray
030053000N201	3000 NET 5% N201 118" Beige/Beige
030053000N203	3000 NET 5% N203 118" Beige/Gray
030053000N301	3000 NET 5% N301 118" Gray/Gray
030053000N901	3000 NET 5% N901 118" Charcoal/Charcoal
030053000N902	3000 NET 5% N902 118" Charcoal/Bronze
030053000N903	3000 NET 5% N903 118" Charcoal/Gray
030102500N001	3000 NET 10% N001 98.4" White/White
030102500N002	3000 NET 10% N002 98.4" White/Beige
030102500N003	3000 NET 10% N003 98.4" White/Gray
030102500N901	3000 NET 10% N901 98.4" Charcoal/Charcoal
030103000N001	3000 NET 10% N001 118" White/White
030103000N002	3000 NET 10% N002 118" White/Beige
030103000N003	3000 NET 10% N003 118" White/Gray
030103000N203	3000 NET 10% N203 118" Beige/Gray
030103000N901	3000 NET 10% N901 118" Charcoal/Charcoal
030103000N902	3000 NET 10% N902 118" Charcoal/Bronze
030152500R100	VIEW R 15% R100 98.4" White/White
030152500R102	VIEW R 15% R102 98.4" White/Sable
030152500R900	VIEW R 15% R900 98.4" Charcoal/Charcoal
030PR2000N001	3000 NET PRIVACY N001 78.7" White/White
030PR2000N002	3000 NET PRIVACY N002 78.7" White/Beige

030PR2000N003	3000 NET PRIVACY N003 78.7" White/Gray
030PR2000N901	3000 NET PRIVACY N901 78.7" Charcoal/Charcoal
030PR2500N001	3000 NET PRIVACY N001 98.4" White/White
030PR2500N002	3000 NET PRIVACY N002 98.4" White/Beige
030PR2500N003	3000 NET PRIVACY N003 98.4" White/Gray
030PR2500N301	3000 NET PRIVACY N301 98.4" Gray/Gray
030PR2500N901	3000 NET PRIVACY N901 98.4" Charcoal/Charcoal
030PR2500N902	3000 NET PRIVACY N902 98.4" Charcoal/Bronze
030PR2500N903	3000 NET PRIVACY N903 98.4" Charcoal/Gray
030PR3000N001	3000 NET PRIVACY N001 118" White/White
030PR3000N002	3000 NET PRIVACY N002 118" White/Beige
030PR3000N003	3000 NET PRIVACY N003 118" White/Gray
030PR3000N901	3000 NET PRIVACY N901 118" Charcoal/Charcoal
030PR3000N902	3000 NET PRIVACY N902 118" Charcoal/Bronze
030PR3000N903	3000 NET PRIVACY N903 118" Charcoal/Gray

Leadership in Energy and Environmental Design (LEED)

The USGBC LEED v4 rating system contains a credit EQ Credit: Low Emitting Materials. The intent of this credit is to reduce concentrations of chemical contaminants that can damage air quality, human health, productivity, and the environment (3).

“Building products must be tested and determined compliant in accordance with California Department of Public Health (CDPH) Standard Method v1.1–2010, using the applicable exposure scenario. The default scenario is the private office scenario. The manufacturer’s or third-party certification must state the exposure scenario used to determine compliance.

Manufacturers’ claims of compliance must state the range of total VOCs after 14 days (336 hours), measured as specified in the CDPH Standard Method v1.1:

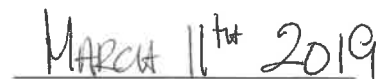
- 0.5 mg/m³ or less; between 0.5 and 5.0 mg/m³; or 5.0 mg/m³ or more.”

The manufactured Fabric product Kit 2: **3000 NET 1% N903 98.4”**, tested by Berkeley Analytical, in report number 1135-001-02A-Dec2118 are compliant with this low emitting material standard with a 14-day Total VOC of ≤ 0.5 mg/m³. This is based on the modeled scenario for a private office at 30.0 m³. The certificate attached.



Vice President of Global Quality

for Rollease Acmeda



Date



COMPLIANCE TESTED by berkeley analytical


VOC Emission Test Certificate

Product Name: Window Covering - 3000 NET 1%N903 / 030012500N903

Product Sample Information

Company: Rollease Acmeda
 Company Website: www.rolleseeacmeda.com
 Product Type: Window Covering (any)
 Date Produced:

Certificate Information

Certificate No: 181221-02
 Certified By: 
 Raja S. Tannous, Laboratory Director
 Date: December 21, 2018

Reference Standard: California Department of Public Health CDPH/EHLB/Standard Method Version 1.2, 2017 (Emission testing method for CA Specification 01350)

Acceptance Criteria and Results Demonstrating Compliance of Product Sample to Referenced Standard:

Exposure Scenario ¹	Individual VOCs of Concern ²		Formaldehyde ³		TVOC ⁴ Range
	Criterion	Compliant?	Criterion	Compliant?	
Private Office	≤½ Chronic REL	YES	≤9.0 µg/m ³	YES	≤ 0.5 mg/m ³

Product Coverage⁵: Not applicable

1. Exposure scenarios & product quantities for classroom & office are defined in Tables 4-2 – 4-5 (CDPH Std. Mtd. V1.2-2017)
2. Maximum allowable concentrations of individual target VOCs are specified in Table 4-1 (*ibid.*)
3. Maximum allowable formaldehyde concentration is ≤9 µg/m³, effective Jan 1, 2012; previous limit was ≤16.5 µg/m³ (*ibid.*)
4. Informative only; predicted TVOC Range in three categories, i.e., ≤0.5 mg/m³, >0.5 – 4.9 mg/m³, and ≥5.0 mg/m³
5. Informative and applicable only to tests of wet-applied products; grams of sample applied per square meter of substrate

Standards & Codes Recognizing CDPH Standard Method V1.2 (partial list)

- USGBC LEED Version 4, BD&C, ID&C
- The WELL Building Standard

Narrative: Rollease Acmeda selected a sample representative of its Window Coverings Kit 2 - product and submitted it on 11/30/2018 for testing. Berkeley Analytical measured and evaluated the emissions of VOCs from this sample following CDPH/EHLB/Standard Method V1.2-2017. The results of the test are presented in Berkeley Analytical report, 1135-001-02A-Dec2118.

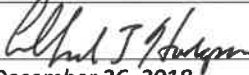
Berkeley Analytical is an independent, third-party laboratory specializing in the analysis of organic chemicals emitted by and contained in building products, finishes, furniture, and consumer products. We are an ISO/IEC 17025 accredited laboratory (IAS, [TL-383](#)); all standards used in performing this test are in Berkeley Analytical's scope of accreditation.

DISCLAIMER: THIS CERTIFICATE OF COMPLIANCE AFFIRMS THAT: 1) A SAMPLE OF THE LISTED PRODUCT WAS TESTED ACCORDING TO THE REFERENCED STANDARD; 2) THE MEASURED VOC EMISSIONS FROM THE SAMPLE WERE EVALUATED FOR THE DEFINED EXPOSURE SCENARIO(S); AND 3) THE RESULTS MEET THE ACCEPTANCE CRITERIA OF THE REFERENCED STANDARD(S). BERKELEY ANALYTICAL IS NOT RESPONSIBLE FOR ANY CLAIMS REGARDING A PRODUCT OR PRODUCTS ENTERED INTO COMMERCE THAT MAY BE BASED ON THIS TEST. BERKELEY ANALYTICAL PROVIDES THIS CERTIFICATE OF COMPLIANCE "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PURPOSE.

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VOC Emissions from Building Products

Customer & Building Product Sample Information

Report Certification	
Report number	1135-001-02A-Dec2118
Report date	December 21, 2018
Certified by (Name/Title)	Alfred T. Hodgson, Research Director
Signature	
Date	December 26, 2018

Standards	
Test method	CDPH/EHLB/Standard Method V1.2 (Sect. 01350)
Acceptance criteria	CDPH/EHLB/Standard Method V1.2
Modeling scenario	CDPH/EHLB/Standard Method V1.2 Standard Office
Product type	Window Covering (any)

Customer Information	
Manufacturer or organization	Rollease Acmeda
City/State/Country	Stamford, CT USA
Contact name/Title	Patrick O'Connell
Phone number	6176800300

Product Sample Information*	
Manufacturer (if not customer)	Same as above
Product name / Number	Window Covering / 030012500N903
Product CSI category	Window Treatments (12 20 00)
Customer sample ID	Kit 2 3000 NET 1%N903 98.4" Charcoal/Gray
Manufacturing location	Rollease Acmeda, Conover NC 28613
Date sample manufactured	not provided
Date sample collected	Nov 29, 2018
Date sample shipped	Nov 29, 2018
Date sample received by lab	Nov 30, 2018
Condition of received sample	No observed problems
Lab sample tracking number	1135-001-02A
Conditioning start date & duration	Nov 30, 2018; 10 days
Chamber test start date & duration	Dec 10, 2018; 4 days (96 hours)
Total test start date & duration	Nov 30, 2018; 14 days (336 hours)

*Chain-of-custody (COC) form for product sample is attached to this report

Conformity Assessment – CDPH VOC Concentration Criteria

VOC Emission Test Results – The product sample was tested for emissions of VOCs following California Department of Public Health CDPH/EHLB/Standard Method Version 1.2, 2017. The chamber test results were modeled to one or more scenario(s) defined in CDPH Standard Method V1.2. The modeled indoor VOC concentrations then were compared to the acceptance criteria defined in CDPH Standard Method V1.2 to determine compliance of the product sample to the standard. The modeling scenario(s) are detailed in Table 3, and the predicted indoor VOC concentrations at 336 hours are given in Table 6 of this report. The allowable concentrations used as acceptance criteria are reproduced in Appendix B of this report. Table 1 summarizes the pass/fail results based on the predicted indoor air concentrations of individual VOCs of concern in the modeled scenario(s).

TVOC Concentration Range – USGBC’s LEED v4 rating systems for buildings include a requirement for reporting of the predicted TVOC concentration in one of three range categories, i.e., $\leq 0.5 \text{ mg/m}^3$, >0.5 to 4.9 mg/m^3 , and $\geq 5.0 \text{ mg/m}^3$. Table 1 includes the TVOC concentration range in the modeled scenario(s).

Table 1. Pass/Fail results based on the test method and identified modeling scenario. Only detected individual VOCs with defined acceptance criteria are listed. The TVOC concentration range also is shown

Chemical	CAS No	Allowable Concentration ($\mu\text{g}/\text{m}^3$)	Predicted Private Office Concentration (Pass/Fail)
Phenol	108-95-2	100	Pass
TVOC ^a	--	--	$\leq 0.5 \text{ mg}/\text{m}^3$

^a Reporting of TVOC range is for information only; TVOC is not a Pass/Fail criterion

Photographs of Tested Product Specimen

Photo Documentation – The product sample specimen is photographed immediately following specimen preparation and prior to initiating the conditioning period. Typically, the top and bottom faces of the specimen are photographed.

