

April 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 4000 NET Fabric

The VOC assessment for the VOCs off gassed by the fabric **4000 NET 3% N901 98.4"**, referred to for the test as Kit 3, distributed by Rollease Acmeda was tested by Berkley Analytical, in test report number 1135-002-01A-Mar2219.

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 3: **4000 NET 3% N901 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 1135-002-01A-Mar2219. are included as evidence of the full system tested.

Table 1: Fabrics covered by test Kit 3, Bold type denotes actual fabric tested

ITEM #	Item Description
040032000N001	4000 NET 3% N001 78.7" White/White
040032000N002	4000 NET 3% N002 78.7" White/Beige
040032000N003	4000 NET 3% N003 78.7" White/Gray
040032000N201	4000 NET 3% N201 78.7" Beige/Beige
040032000N203	4000 NET 3% N203 78.7" Beige/Gray
040032000N801	4000 NET 3% N801 78.7" Bronze/Bronze
040032000N901	4000 NET 3% N901 78.7" Charcoal/Charcoal
040032000N902	4000 NET 3% N902 78.7" Charcoal/Bronze

040032000NPE1	4000 Net 3% NPE1 78.7" Dove/Dove
040032000NPE2	4000 Net 3% NPE2 78.7" Dove/Sand
040032500N001	4000 NET 3% N001 98.4" White/White
040032500N002	4000 NET 3% N002 98.4" White/Beige
040032500N003	4000 NET 3% N003 98.4" White/Gray
040032500N201	4000 NET 3% N201 98.4" Beige/Beige
040032500N203	4000 NET 3% N203 98.4" Beige/Gray
040032500N301	4000 NET 3% N301 98.4" Gray/Gray
040032500N303	4000 NET 3% N303 98.4" Gray/Blue Gray
040032500N901	4000 NET 3% N901 98.4" Charcoal/Charcoal
040032500N902	4000 NET 3% N902 98.4" Charcoal/Bronze
040032500NPE1	4000 Net 3% NPE1 98.4" Dove/Dove
040032500NPE2	4000 Net 3% NPE2 98.4" Dove/Sand
040032500W003	4000 L,W 3% W003 98.4" White/Gray
040032500W009	4000 L,W 3% W009 98.4" Cream/Khaki Green
040033000N001	4000 NET 3% N001 118" White/White
040033000N002	4000 NET 3% N002 118" White/Beige
040033000N003	4000 NET 3% N003 118" White/Gray
040033000N201	4000 NET 3% N201 118" Beige/Beige
040033000N203	4000 NET 3% N203 118" Beige/Gray
040033000N901	4000 NET 3% N901 118" Charcoal/Charcoal
040033000N902	4000 NET 3% N902 118" Charcoal/Bronze
040033000NPE1	4000 Net 3% NPE1 118" Dove/Dove
040033000NPE2	4000 Net 3% NPE2 118" Dove/Sand
040051600N003	4000 NET 5% N003 63" White/Gray
040051600N901	4000 NET 5% N901 63" Charcoal/Charcoal
040052000N001	4000 NET 5% N001 78.7" White/White
040052000N002	4000 NET 5% N002 78.7" White/Beige
040052000N003	4000 NET 5% N003 78.7" White/Gray
040052000N091	4000 NET 5% N091 78.7" Cream/Cream
040052000N201	4000 NET 5% N201 78.7" Beige/Beige
040052000N203	4000 NET 5% N203 78.7" Beige/Gray
040052000N301	4000 NET 5% N301 78.7" Gray/Gray
040052000N801	4000 NET 5% N801 78.7" Bronze/Bronze
040052000N901	4000 NET 5% N901 78.7" Charcoal/Charcoal
040052000N902	4000 NET 5% N902 78.7" Charcoal/Bronze

040052000NPE1	4000 Net 5% NPE1 78.7" Dove/Dove
040052000NPE2	4000 Net 5% NPE2 78.7" Dove/Sand
040052500L101	4000 L 5% L101 98.4" White/White/Beige
040052500L102	4000 L 5% L102 98.4" White/White/Sable
040052500L103	4000 L 5% L103 98.4" White/White/Tree Brown
040052500N001	4000 NET 5% N001 98.4" White/White
040052500N002	4000 NET 5% N002 98.4" White/Beige
040052500N003	4000 NET 5% N003 98.4" White/Gray
040052500N201	4000 NET 5% N201 98.4" Beige/Beige
040052500N202	4000 NET 5% N202 98.4" Beige/Sable
040052500N203	4000 NET 5% N203 98.4" Beige/Gray
040052500N301	4000 NET 5% N301 98.4" Gray/Gray
040052500N302	4000 NET 5% N302 98.4" Gray/Dark Gray
040052500N303	4000 NET 5% N303 98.4" Gray/Blue Gray
040052500N801	4000 NET 5% N801 98.4" Bronze/Bronze
040052500N901	4000 NET 5% N901 98.4" Charcoal/Charcoal
040052500N902	4000 NET 5% N902 98.4" Charcoal/Bronze
040052500N903	4000 NET 5% N903 98.4" Charcoal/Gray
040052500NPE1	4000 Net 5% NPE1 98.4" Dove/Dove
040052500NPE2	4000 Net 5% NPE2 98.4" Dove/Sand
040053000N001	4000 NET 5% N001 118" White/White
040053000N002	4000 NET 5% N002 118" White/Beige
040053000N003	4000 NET 5% N003 118" White/Gray
040053000N201	4000 NET 5% N201 118" Beige/Beige
040053000N203	4000 NET 5% N203 118" Beige/Gray
040053000N801	4000 NET 5% N801 118" Bronze/Bronze
040053000N901	4000 NET 5% N901 118" Charcoal/Charcoal
040053000N902	4000 NET 5% N902 118" Charcoal/Bronze
040053000NPE1	4000 Net 5% NPE1 118" Dove/Dove
040053000NPE2	4000 Net 5% NPE2 118" Dove/Sand
040101600N903	4000 NET 10% N903 63" Charcoal/Gray
040101600NPE1	4000 Net 10% NPE1 63" Dove/Dove
040102000N001	4000 NET 10% N001 78.7" White/White
040102000N002	4000 NET 10% N002 78.7" White/Beige
040102000N003	4000 NET 10% N003 78.7" White/Gray
040102000N201	4000 NET 10% N201 78.7" Beige/Beige

040102000N902	4000 NET 10% N902 78.7" Charcoal/Bronze
040102000NPE1	4000 Net 10% NPE1 78.7" Dove/Dove
040102000NPE2	4000 Net 10% NPE2 78.7" Dove/Sand
040102500DF02	Opulence 10% DF02 98.4" Charcoal/Platinum/Bronze
040102500DF10	Opulence 10% DF10 98.4" White/White
040102500DF80	Opulence 10% DF80 98.4" Bronze/Bronze
040102500DF82	Opulence 10% DF82 98.4" Bronze/Sable
040102500DF90	Opulence 10% DF90 98.4" Charcoal/Charcoal
040102500DF91	Opulence 10% DF91 98.4" Charcoal/Platinum
040102500N001	4000 NET 10% N001 98.4" White/White
040102500N002	4000 NET 10% N002 98.4" White/Beige
040102500N003	4000 NET 10% N003 98.4" White/Gray
040102500N091	4000 NET 10% N091 98.4" Cream/Cream
040102500N201	4000 NET 10% N201 98.4" Beige/Beige
040102500N202	4000 NET 10% N202 98.4" Beige/Sable
040102500N302	4000 NET 10% N302 98.4" Gray/Dark Gray
040102500N303	4000 NET 10% N303 98.4" Gray/Blue Gray
040102500N901	4000 NET 10% N901 98.4" Charcoal/Charcoal
040102500N902	4000 NET 10% N902 98.4" Charcoal/Bronze
040102500N903	4000 NET 10% N903 98.4" Charcoal/Gray
040102500NPE1	4000 Net 10% NPE1 98.4" Dove/Dove
040102500NPE2	4000 Net 10% NPE2 98.4" Dove/Sand
040103000DF02	Opulence 10% DF02 118" Charcoal/Platinum/Bronze
040103000DF10	Opulence 10% DF10 118" White/White
040103000DF80	Opulence 10% DF80 118" Bronze/Bronze
040103000DF90	Opulence 10% DF90 118" Charcoal/Charcoal
040103000N001	4000 NET 10% N001 118" White/White
040103000N002	4000 NET 10% N002 118" White/Beige
040103000N003	4000 NET 10% N003 118" White/Gray
040103000N901	4000 NET 10% N901 118" Charcoal/Charcoal
040103000N902	4000 NET 10% N902 118" Charcoal/Bronze
040103000NPE1	4000 Net 10% NPE1 118" Dove/Dove
040103000NPE2	4000 Net 10% NPE2 118" Dove/Sand
07330654040194	Uni Translucent White 78.7"
07330654040248	Uni Translucent White 78.7" 200 cm

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:

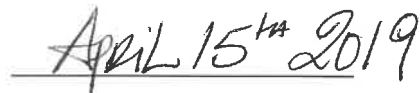
- 0.5 mg/m³ or less; between 0.5 and 5.0 mg/m³; or 5.0 mg/m³ or more.”

The manufactured Fabric product Kit 3: **4000 NET 3% N901 98.4**”, tested by Berkeley Analytical, in report number 1135-002-01A-Mar2219. 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 Coverings Kit 3 - 040032500N901

Product Sample Information

Company: Rollease Acmeda
 Company Website: www.rolleaseacmeda.com
 Product Type: Window Covering (any)
 Date Produced: 2/19/2019

Certificate Information

Certificate No: 190322-01
 Certified By: 
 Raja S. Tannous, Laboratory Director
 Date: March 22, 2019

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
	Criterion	Compliant?	Criterion	Compliant?	Range
Private Office	≤½ Chronic REL	YES	≤9.0 µg/m ³	YES	≤ 0.5 mg/m ³

Product Coverage⁵: Not applicable

- Exposure scenarios & product quantities for classroom & office are defined in Tables 4-2 – 4-5 (CDPH Std. Mtd. V1.2-2017)
- Maximum allowable concentrations of individual target VOCs are specified in Table 4-1 (*ibid.*)
- Maximum allowable formaldehyde concentration is ≤9 µg/m³, effective Jan 1, 2012; previous limit was ≤16.5 µg/m³ (*ibid.*)
- 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
- 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 3 - 4000 Net 3% N901 98.4" Charcoal/Charcoal 040032500N901 product and submitted it on 2/27/2019 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, 1135-002-01A-Mar2219.

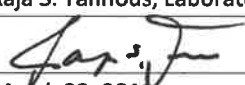
Berkeley Analytical is an independent, third-party laboratory specializing in the analysis of organic chemicals emitted by and contained in building products, finishes, furniture, and consumer products. We are an ISO/IEC 17025 accredited laboratory (IAS, [TL-383](#)); all standards used in performing 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	1135-002-01A-Mar2219
Report date	Mar 22, 2019
Certified by (Name/Title)	Raja S. Tannous, Laboratory Director
Signature	
Date	March 22, 2019

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, VP Quality
Phone number	6176800300

Product Sample Information*	
Manufacturer (if not customer)	Same as above
Product name / Number	Window Coverings Kit 3 / 040032500N901
Product CSI category	Window Treatments (12 20 00)
Customer sample ID	Kit 3 - 4000 NET 3% N901 98.4" Charcoal/Charcoal
Manufacturing location	Rollease Acmeda Conover NC 28613
Date sample manufactured	Feb 19, 2019
Date sample collected	Feb 20, 2019
Date sample shipped	Feb 26, 2019
Date sample received by lab	Feb 27, 2019
Condition of received sample	No observed problems
Lab sample tracking number	1135-002-01A
Conditioning start date & duration	Mar 1, 2019; 10 days
Chamber test start date & duration	Mar 11, 2019; 4 days (96 hours)
Total test start date & duration	Mar 1, 2019; 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 ($\mu\text{g/m}^3$)	Predicted Private Office Concentration (Pass/Fail)
Phenol	108-95-2	100	Pass
TVOC ^a	--	--	$\leq 0.5 \text{ mg/m}^3$

^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. Bottom faces may show a stainless steel plate or other substrate if prescribed by the standard.

