




| INDOOR AIR QUALITY EVALUATION FOLLOWING THE REQUIREMENTS OF CDPH/EHLB/STANDARD METHOD | |
|---|--|
| Product Description | COVERALL M T Y G Textured Coating |
| Customer Information | COREV DE MEXICO, S.A DE C.V JAVIER OLVERA CALLE 20 DE NOVIEMBRE, MANZANA 36 , LOTE 396 COLONIA SANTA MARIA IZTAPALAPA CIUDAD DE MEXICO - CDMX 09500 MEXICO |
| Testing Laboratory | UL Environment - Marietta, 2211 Newmarket Parkway, Marietta, GA 30067-9399 USA |
| Product Category | Paints and Coatings |
| Date Received | December 10, 2020 |
| Test Description | The product was received by UL Environment as packaged and shipped by the customer. The package was visually inspected and stored in a controlled environment immediately following sample check-in. Just prior to loading, the product was unpackaged and 132.75 g of the product was applied to a pre-weighed drywall substrate using a flat trowel. The sample was placed inside the environmental chamber, and tested according to the specified protocol. |
| Test Date | December 17, 2020 - December 31, 2020 |
| Product Area Exposed | one-sided area = 0.0912 m ² |
| Environmental Chamber ID and Volume | SA5 - 0.0895 m ³ |
| Product Loading Ratio | 1.02 m ² /m ³ |
| Test Chamber Conditions | Air change rate: 1.00 ± 0.05 1/h Inlet air flow rate: 0.0895 ± 0.004 m ³ /h Temperature: 22.1°C - 22.8°C Relative Humidity: 50% RH ± 5% RH |
| Test Method | CDPH - CA Section 01350 <i>Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources using Environmental Chambers</i> Version 1.2. |
| Authorized by |  Allyson M. McFry Chemistry Laboratory Director |
| <p>*The temperature range specification is 23°C ± 1°. The actual temperature range listed above may vary slightly. If the range is outside this specification, data was reviewed to ensure a negative impact did not occur.</p> <p>This test is accredited and meets the requirements of ISO/IEC 17025 as verified by ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1297.</p> | |

PHOTOGRAPH OF SAMPLE



RESULTS SUMMARY

| Product Description | | COVERALL M T Y G Textured Coating | | | |
|---------------------|---------------|-----------------------------------|---------------------|------------------------|---------------------|
| Environment | Product Usage | Product Surface Area | Room Volume | Ventilation Rate (ACH) | Product Compliance? |
| Classroom | Wall | 94.6 m ² | 231 m ³ | 0.82 | Yes |
| Office | Wall | 33.4 m ² | 30.6 m ³ | 0.68 | Yes |

PROJECT DESCRIPTION

The product was monitored for emissions of TVOC, individual VOCs, formaldehyde and other aldehydes over the 96-hour test period. Measurements were made and predicted exposures were calculated according to the CA Section 01350 protocol. As specified in this protocol, the results at 96 hours, after 10 days of conditioning, were compared to ½ (one-half) the current Chronic Reference Exposure Levels (CRELs), as adopted from the California OEHHA list. All identified VOCs were also compared to the California-EPA OEHHA Proposition 65 list and the California-EPA Air Resource Board list of Toxic Air Contaminants (TACs).

Report Outline:

| | |
|------------------|---|
| Table 1 | Comparison of Data To Method Requirements |
| Table 2 | Chamber Concentrations and Emission Factors |
| Table 3 | Most Abundant Compounds |
| Table 4 | VOC Predicted Air Concentrations And Regulatory Information |
| Chain of Custody | Chain of Custody |

Download more information regarding UL's technical references and resources, product evaluation methodologies information, quality control program, and environmental chamber evaluations from our website [click here](#) or <https://www.ul.com/offerings/greenguard-certification>

For RSD, Quality Assurance Report or other quality documents, [Request](#) here or contact ULE.

TABLE 1

| Product Description | | COVERALL M T Y G Textured Coating | | | | | |
|---|------------|-----------------------------------|--|---|--|---|------------------------------------|
| COMPARISON OF DATA TO METHOD REQUIREMENTS AT 96 HOURS FOLLOWING 10 DAYS OF CONDITIONING | | | | | | | |
| Compound | CAS Number | 1/2 CREL (µg/m ³) | Chamber Concentration (µg/m ³) | Emission Factor ^{††} (µg/m ² ·hr) | Classroom Predicted Concentration (µg/m ³) ^{**} | Office Predicted Concentration (µg/m ³) ^{**} | Meets 1/2 CREL? (Classroom/Office) |
| Acetaldehyde | 75-07-0 | 70 | BQL | BQL | BQL | BQL | Yes |
| Benzene | 71-43-2 | 1.5 | BQL | BQL | BQL | BQL | Yes |
| Carbon disulfide* | 75-15-0 | 400 | BQL | BQL | BQL | BQL | Yes |
| Carbon tetrachloride* | 56-23-5 | 20 | BQL | BQL | BQL | BQL | Yes |
| Chlorobenzene | 108-90-7 | 500 | BQL | BQL | BQL | BQL | Yes |
| Chloroform* | 67-66-3 | 150 | BQL | BQL | BQL | BQL | Yes |
| Dichlorobenzene (1,4-) | 106-46-7 | 400 | BQL | BQL | BQL | BQL | Yes |
| Dichloroethylene (1,1)* | 75-35-4 | 35 | BQL | BQL | BQL | BQL | Yes |
| Dimethylformamide (N,N-)* | 68-12-2 | 40 | BQL | BQL | BQL | BQL | Yes |
| Dioxane (1,4-) | 123-91-1 | 1,500 | BQL | BQL | BQL | BQL | Yes |
| Epichlorohydrin | 106-89-8 | 1.5 | BQL | BQL | BQL | BQL | Yes |
| Ethylbenzene | 100-41-4 | 1,000 | BQL | BQL | BQL | BQL | Yes |
| Ethylene glycol | 107-21-1 | 200 | BQL | BQL | BQL | BQL | Yes |
| Ethylene glycol monoethyl ether acetate* | 111-15-9 | 150 | BQL | BQL | BQL | BQL | Yes |
| Ethylene glycol monoethyl ether* | 110-80-5 | 35 | BQL | BQL | BQL | BQL | Yes |
| Ethylene glycol monomethyl ether acetate* | 110-49-6 | 45 | BQL | BQL | BQL | BQL | Yes |
| Ethylene glycol monomethyl ether* | 109-86-4 | 30 | BQL | BQL | BQL | BQL | Yes |
| Formaldehyde | 50-00-0 | 9.0*** | BQL | BQL | BQL | BQL | Yes |

| Product Description | | COVERALL M T Y G Textured Coating | | | | | |
|---|------------|-----------------------------------|-------------------------------|--|---|--|------------------------------------|
| COMPARISON OF DATA TO METHOD REQUIREMENTS AT 96 HOURS FOLLOWING 10 DAYS OF CONDITIONING | | | | | | | |
| Compound | CAS Number | 1/2 CREL (µg/m³) | Chamber Concentration (µg/m³) | Emission Factor ^{††} (µg/m²·hr) | Classroom Predicted Concentration (µg/m³) ^{**} | Office Predicted Concentration (µg/m³) ^{**} | Meets 1/2 CREL? (Classroom/Office) |
| Hexane (n-) | 110-54-3 | 3,500 | BQL | BQL | BQL | BQL | Yes |
| Isophorone* | 78-59-1 | 1,000 | BQL | BQL | BQL | BQL | Yes |
| Isopropanol | 67-63-0 | 3,500 | BQL | BQL | BQL | BQL | Yes |
| Methyl chloroform* | 71-55-6 | 500 | BQL | BQL | BQL | BQL | Yes |
| Methyl t-butyl ether | 1634-04-4 | 4,000 | BQL | BQL | BQL | BQL | Yes |
| Methylene chloride* | 75-09-2 | 200 | BQL | BQL | BQL | BQL | Yes |
| Naphthalene | 91-20-3 | 4.5 | BQL | BQL | BQL | BQL | Yes |
| Phenol | 108-95-2 | 100 | BQL | BQL | BQL | BQL | Yes |
| Propylene glycol monomethyl ether* | 107-98-2 | 3,500 | BQL | BQL | BQL | BQL | Yes |
| Styrene | 100-42-5 | 450 | BQL | BQL | BQL | BQL | Yes |
| Tetrachloroethylene (perchloroethylene) | 127-18-4 | 17.5 | BQL | BQL | BQL | BQL | Yes |
| Toluene | 108-88-3 | 150 | BQL | BQL | BQL | BQL | Yes |
| Trichloroethylene | 79-01-6 | 300 | BQL | BQL | BQL | BQL | Yes |
| Vinyl acetate | 108-05-4 | 100 | BQL | BQL | BQL | BQL | Yes |
| Xylenes (m-, o-, p-) | 1330-20-7 | 350 | BQL | BQL | BQL | BQL | Yes |

BQL denotes below quantifiable level of 0.04 µg for individual VOCs, with the exceptions benzene and epichlorohydrin which have a QL of 0.02 µg, based on a standard 18 L air collection volume.

^{††}The emission factor (EF) is calculated from the chamber concentration (CC), the chamber air change rate (N_C), the chamber volume (V_C), and the product area exposed in the chamber (A_C) as: $EF = (CC \cdot V_C \cdot N_C) / A_C$.

^{**}The predicted building exposure concentration (BC) is calculated from the emission factor (EF), the building air change rate (N_B), the building room volume (V_B), and the product area exposed in the building room (A_B) as: $BC = (EF \cdot A_B) / (V_B \cdot N_B)$. For more information on Predicted Concentration modeling parameters, [click here](#).

^{***}Guidance value per CA Standard Method

TABLE 2

| Product Description | | COVERALL M T Y G Textured Coating |
|--|--|--|
| CHAMBER CONCENTRATIONS AND EMISSION FACTORS FOR TVOC AND FORMALDEHYDE AT 24, 48, AND 96 HOURS FOLLOWING 10 DAYS OF CONDITIONING | | |
| Elapsed Exposure Hour After 10 Days Conditioning | Chamber Concentration (µg/m³) | Emission Factor^{††} (µg/m²·hr) |
| TVOC[†] | | |
| 24 | BQL | BQL |
| 48 | BQL | BQL |
| 96 | BQL | BQL |
| Formaldehyde[‡] | | |
| 24 | BQL | BQL |
| 48 | BQL | BQL |
| 96 | BQL | BQL |

BQL denotes below quantifiable level of 2 µg/m³.

Exposure hours are nominal (± 1 hour).

[†]Defined as the sum of those VOCs that elute between the retention times of n-hexane (C₆) and n-hexadecane (C₁₆) on a non-polar capillary GC column quantified based on a toluene response factor.

[‡] Compound identified and quantified by DNPH derivitization and HPLC/UV analysis.

^{††}The emission factor (EF) is calculated from the chamber concentration (CC), the chamber air change rate (N_c), the chamber volume (V_c), and the product area exposed in the chamber (A_c) as: $EF = (CC \cdot V_c \cdot N_c) / A_c$.

TABLE 3

| Product Description | | COVERALL M T Y G Textured Coating | | | |
|--|--------------------|-----------------------------------|--|---|--------|
| TEN MOST ABUNDANT IDENTIFIED INDIVIDUAL VOLATILE ORGANIC COMPOUNDS (VOCs) AND/OR ALDEHYDES AT 96 HOURS FOLLOWING 10 DAYS OF CONDITIONING | | | | | |
| CAS Number | Compound | Chamber Concentration (µg/m³) | Emission Factor ^{††} (µg/m²·hr) | Calculated Predicted Exposure Concentration ^{**} (µg/m³) | |
| | | | | Classroom | Office |
| --- | TVOC ^{‡‡} | --- | --- | --- | --- |

Exposure hours are nominal (± 1 hour).

VOC data obtained by scanning GC/MS; identification of compound made by retention time and mass spectral characteristics.

[†]Quantified using multipoint authentic standard curve. Other VOCs quantified relative to toluene.

*Identification based on NIST mass spectral database only.

[‡]Compound identified and quantified by DNPH derivitization and HPLC/UV analysis.

^{††}The emission factor (EF) is calculated from the chamber concentration (CC), the chamber air change rate (N_C), the chamber volume (V_C), and the product area exposed in the chamber (A_C) as: $EF = (CC \cdot V_C \cdot N_C) / A_C$.

^{‡‡}Defined as the sum of those VOCs that elute between the retention times of n-hexane (C₆) and n-hexadecane (C₁₆) on a non-polar capillary GC column quantified based on a toluene response factor.

^{**}The predicted building exposure concentration (BC) is calculated from the emission factor (EF), the building air change rate (N_B), the building room volume (V_B), and the product area exposed in the building room (A_B) as: $BC = (EF \cdot A_B) / (V_B \cdot N_B)$. For more information on Predicted Concentration modeling parameters, [click here](#).

TABLE 4

| Product Description | | COVERALL M T Y G Textured Coating | | | | | | |
|--|----------|-----------------------------------|--|--|--------|------------------------------|--------------|------|
| VOC PREDICTED AIR CONCENTRATIONS AND REGULATORY INFORMATION AT 96 HOURS FOLLOWING 10 DAYS OF CONDITIONING | | | | | | | | |
| CAS Number | Compound | Chamber Concentration (µg/m³) | Emission Factor ^{††} (µg/m²·hr) | Predicted Exposure Concentration ^{**} (µg/m³) | | ✓ Indicates Presence On List | | |
| | | | | Classroom | Office | CA PROP 65 | CA AIR TOXIC | CREL |
| --- | none | --- | --- | --- | --- | --- | --- | --- |

[†]Quantified using multipoint authentic standard curve. Other VOCs quantified relative to toluene.

[‡]Compound identified and quantified by DNPH derivitization and HPLC/UV analysis.

^{††}The emission factor (EF) is calculated from the chamber concentration (CC), the chamber air change rate (N_c), the chamber volume (V_c), and the product area exposed in the chamber (A_c) as: $EF = (CC \cdot V_c \cdot N_c) / A_c$.

^{**}The predicted building exposure concentration (BC) is calculated from the emission factor (EF), the building air change rate (N_B), the building room volume (V_B), and the product area exposed in the building room (A_B) as: $BC = (EF \cdot A_B) / (V_B \cdot N_B)$. For more information on Predicted Concentration modeling parameters, [click here](#).

CAL Prop. 65: California Health and Welfare Agency, Proposition 65 Chemicals

1 = known to cause cancer

2 = known to cause reproductive toxicity

CAL Toxic Air Contaminant:

I) Substances identified as Toxic Air Contaminants, known to be emitted in California, with a full set of health values reviewed by the Scientific Review Panel.

IIA) Substances identified as Toxic Air Contaminants, known to be emitted in California, with one or more health values under development by the Office of Environmental Health Hazard Assessment for review by the Scientific Review Panel.

IIB) Substances NOT identified as Toxic Air Contaminants, known to be emitted in California, with one or more health values under development by the Office of Environmental Health Hazard Assessment for review by the Scientific Review Panel.

III) Substances known to be emitted in California, and are NOMINATED for development of health values or additional health values.

IVA) Substance identified as Toxic Air Contaminants, known to be emitted in California, and are TO BE EVALUATED for entry into Category III.

IVB) Substance NOT identified as Toxic Air Contaminants, known to be emitted in California, and are TO BE EVALUATED for entry into Category III.

V) Substance identified as Toxic Air Contaminants, and NOT KNOWN TO BE EMITTED from stationary source facilities in California based on information from the AB 2588 Air Toxic "Hot Spots" Program and the California Toxic Release Inventory.

VI) Substances identified as Toxic Air Contaminants, NOT KNOWN TO BE EMITTED from stationary source facilities in California, and are active ingredients in pesticides in California.

Chronic REL: California Office of Environmental Health Hazard Assessment (OEHHA), Chronic Reference Exposure Levels


✓ = Found in Listing

Date Issued: January 11, 2021
 Product ID #: 1001103017-3524166
 Test Report #: 1001103017-3524166
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 CDPH2

| | |
|----------------------------|-----------------------------------|
| Product Description | COVERALL M T Y G Textured Coating |
| CHAIN OF CUSTODY | |

| INTERNAL Use Only | |
|-------------------|----------------|
| Project # | 1001103017 |
| Product # | 3524166 |
| Order # | 13592074 |
| Task Line | 1.1 UL BU |
| __1__ of __1__ | |

3524166



Description: 3524166
 COVERALL M T Y G Textured Coating

Customer: COREV de MEXICO, S.A de C.V
 Received Date: Aurora Project No.: 1001103017
 Order No.: 13592074
 2020-DEC-11 04:22:07 PM Oracle Project No.: 4789721801

2 of 4

Rush Request – Subject to upcharge. Customer must confirm with ULE prior to submitting product.

| Product Emissions Test Information | |
|---|--|
| Test Type Request (These options have specific protocol) | <input checked="" type="checkbox"/> CA01350 CDPH/EHLB <input type="checkbox"/> Office <input type="checkbox"/> Classroom <input checked="" type="checkbox"/> Residential <input type="checkbox"/> Odor Evaluation <input type="checkbox"/> MRT UL 2824 <input type="checkbox"/> GLP (24 hour) <input type="checkbox"/> GLP (336 hour) <input type="checkbox"/> GREENGUARD Screening (24 hr TVOC, VOCs, & aldehydes w/ modeling) Modeling: |
| Other Test Type Request | |
| Comments | Specify test method, non-standard sample preparation, modeling parameters, etc. CDPH Standard Method for VOC Emissions v 1.1 (14 days) |
| Product Category | Subcategory |
| Application | <input type="checkbox"/> Floor/Ceiling <input type="checkbox"/> Panel <input checked="" type="checkbox"/> Wall <input type="checkbox"/> Work Surface <input type="checkbox"/> Other: |
| Wet Products Only | Coverage Rate 0.62-0.69 m2/kg Density 1.78 g/cm3 Specific Gravity 1.7800 |
| Product and Company Information | |
| Product Description | Textured coating- COVERALL M T Y G Textured Coating -EMC 12/11/20 |
| Manufacture ID# | COVERALL M T Y G |
| Company Name | COREV DE MEXICO S.A DE C.V. |
| Address | 20 DE NOVIEMBRE MZ 36 LT 396 Col. Sta. Ma. Aztahuacán. Iztapalapa, CDMX, 09500 |
| Product Commercial Name | COVERALL M T Y G |
| Date Manufactured | 11/12/2020 |
| Contact Name | |
| Job Title | Coordinador Inf. Tecnica. |
| Contact Phone | |
| Contact Email | jolvera@corev.com.mx |
| Collection Information | |
| Collector Name | |
| Date Collected | 12/8/2020 |
| Collector Phone | |
| Time Collected | 13:30 |
| Collector Signature | |
| Collection Location | |
| Shipping Information | |
| Carrier | DHL |
| Shipper Name | |
| Date Shipped | mm/dd/yyyy 12-8-20 |
| Shipper Phone | |
| Time Shipped | |
| Shipper Signature | |
| Air Bill # | 8334494210 |
| Sample Submitted to | |
| <input checked="" type="checkbox"/> UL Environment (Marietta) 2211 Newmarket Pkwy Suite 106 Marietta, GA 30067, USA | <input type="checkbox"/> UL Verification Services (Guangzhou) Building A1, 3F, Nansha Science and Technology Innovation Ctr. No. 25, South Huanshi Avenue, Nansha District, Guangzhou 511458, China |
| <input type="checkbox"/> UL International Italia S.r.l ATTN: IAQ Laboratory Via Europa, 9 I - 22060 - Cabiato (Como), Italia | <input type="checkbox"/> Other |
| Post Testing Sample Disposition | |
| (Sample will be disposed of 30 days after report is issued if information below is not provided) | |
| Return Shipping Co. | Customer Shipping Acct # |
| Internal Use Only – Receiving Information | |
| Receiver Name | Receiver Signature |
| Condition Upon Arrival | Receive Date |
| <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Not Acceptable | Receive Time |
| Condition Notes | Date |
| Completed By | Based On |

00-EN-F0852 – Issue 4.0



VOC EMISSION RESULTS COMPARISON TO STANDARD

Standard referenced: CDPH/EHLB/Standard Method V1.2 (January 2017) "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers" (aka CA Section 01350).

PRODUCT SAMPLE INFORMATION

| | |
|---------------------------------|-----------------------------------|
| Manufacturer | Corev de Mexico, S.A de C.V |
| Product Description | COVERALL M T Y G Textured Coating |
| Product Type | Paints and Coatings |
| UL Sample Identification | 1001103017-3524166 |
| Manufactured Date | November 12, 2020 |
| Test Completed Date | December 31, 2020 |
| UL Report # | 1001103017-3524166 |
| Report Date | January 11, 2021 |

TEST RESULTS COMPARISON TO STANDARD CRITERIA

| Environment | Classroom | | Office | |
|-----------------------|-------------------------|---------------|-------------------------|---------------|
| Surface Area | 89.2 m ² | | 33.4 m ² | |
| | Criterion | Meets? | Criterion | Meets? |
| Individual VOC | ≤ ½ CREL | Yes | ≤ ½ CREL | Yes |
| Formaldehyde | ≤ 9.0 µg/m ³ | Yes | ≤ 9.0 µg/m ³ | Yes |

| Environment | Classroom | Office |
|---------------------|-------------------------------|-------------------------------|
| Surface Area | 94.6 m ² | 33.4 m ² |
| TVOC | 0.5 mg/m ³ or less | 0.5 mg/m ³ or less |

TVOC comparison is based on LEED BD+C: New Construction v4 (LEED v4), Indoor environmental quality (EQ) category/Low-emitting materials credit/Emissions and content requirements/General emissions evaluation.

<http://www.usgbc.org/node/2614095?return=/credits/new-construction/v4/indoor-environmental-quality>

| | |
|----------------------|--|
| Authorized by |  Allyson McFry Chemistry Laboratory Manager |
|----------------------|--|

Complete testing and data results are presented in UL Environment Report

Disclaimer: This Comparison affirms that: 1) the product sample was tested according to the referenced standard; 2) the measured VOC emissions were evaluated for the defined exposure scenario(s); and 3) if so indicated above that the results meet the criteria of the referenced standard(s). UL Environment did not select the samples, determine if the samples were representative of production samples, witness the production of test samples, or were we provided with information relative to the formulation or identification of component materials used in the test samples. The test results apply only to the actual samples tested. The issuance of this Comparison in no way implies Listing, Classification or Recognition by UL and does not authorize the use of UL Listing, Classification or Recognition Marks or any other reference to UL on the product or system. UL Environment authorizes the above named company to reproduce this Comparison provided it is reproduced in its entirety. The name, brand or marks of UL cannot be used in any packaging, advertising, promotion or marketing relating to the data in this Comparison, without UL's prior written permission. UL, its subsidiaries, employees and agents shall not be responsible to anyone for the use or nonuse of the information contained in this Comparison, and shall not incur any obligation or liability for damages, including consequential damages, arising out of or in connection with the use of, or inability to use, the information contained in this Comparison.