

HPD UNIQUE IDENTIFIER: 67508435968

HPD UNIQUE PRODUCT ID: Not provided.

CLASSIFICATION: 09 90 00 Painting and Coating

PRODUCT DESCRIPTION: A premium quality water based acrylic co-polymer metallic special effects paint that creates a variety of pattern on interior walls. It has excellent scrub resistance and washability. It is resistant to fungus and algae.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

<p>Inventory Reporting Format → Nested Materials Method</p> <p>Threshold Disclosed Per → Product</p> <p>Threshold Level → 100 ppm</p>	<p>Residuals/Impurities Evaluation Completed in 6 of 6 Materials</p> <p>Explanation(s) provided for Residuals/Impurities? Yes</p>	<p><i>For all contents above the threshold, the manufacturer has:</i></p> <p>Characterized Yes <i>Provided weight and role.</i></p> <p>Screened Yes <i>Provided screening results using HPDC-approved methods.</i></p> <p>Identified Yes <i>Provided name and CAS RN or other identifier.</i></p>
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CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

NESTED MATERIAL | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

BINDER [WATER BM-4 METHYL METHACRYLATE LT-P1] END | SKI | PHY | EYE | MAM **BUTYL ACRYLATE LT-UNK** | SKI | EYE | MAM | REP | AQU **2-ETHYLHEXYL ACRYLATE BM-2** | SKI | CAN | MAM | EYE | AQU] **WATER [WATER BM-4] EXTENDER [MICA LT-UNK]** MAM **QUARTZ BM-1** | CAN | MAM | GEN] **ADDITIVE [PROPYLENE GLYCOL BM-2]** END | MAM] **BIOCIDE [KATHON 886 LT-P1]** MUL | SKI | AQU | MAM | EYE] **ANTIMICROBIAL [DIURON LT-1]** END | MUL | CAN | AQU | MAM | REP]

Number of Greenscreen BM-4/BM3 contents ... 2
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1, LT-1, BM-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This HPD was produced using primary information from the manufacturer, including CAS numbers and SDS when needed. The manufacturer has made every effort to report the substances in this product to the listed threshold. This is a voluntary, self-reported effort. Any errors or omissions shall be considered a human error and therefore reported to the manufacturer. The manufacturer shall not be liable for omissions. All materials/substances present in the final product were screened at or above 100 ppm, and all potential hazards associated with the product have been disclosed.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 4 Regulatory (g/l): 50
Does the product contain exempt VOCs: No
Are colorants available that do not increase the VOC content of the base paint when tinted: N/A

COMPLIANCE See Section 3 for additional listings.

VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario
VOC content: EPA Method 24 - Volatile Matter Content (EPA 24)

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.
Pre-checked for LEED v4.1 Option 1.

Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 3.0, available on the HPDC website at: www.hpd-collaborative.org/hpd-3-0-standard

BINDER

#: 40.0000 - 50.0000

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNOT) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES: The actual percentage of composition has been withheld to protect proprietary formulation details and intellectual property rights.

WATER

ID: 7732-18-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2025-11-25 8:07:11

#: 50.0000 - 60.0000 GreenScreen: BM-4 RC: None NANO: No SUBSTANCE ROLE: Solvent

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
EXEMPT	European Union / European Commission (EU EC)	EU - REACH Exemptions Exempted from REACH Annex IV listing due to intrinsic safety

SUBSTANCE NOTES:

METHYL METHACRYLATE

ID: 80-62-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2025-11-25 8:07:12

#: 20.0000 - 30.0000 GreenScreen: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Monomer

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
EYE	GHS - New Zealand	Eye irritation category 2
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
SKI	GHS - New Zealand	Skin sensitisation category 1
SKI	GHS - Malaysia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
PHY	GHS - New Zealand	Flammable liquids category 2
PHY	GHS - Japan	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
PHY	GHS - Malaysia	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
PHY	GHS - Australia	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Perkins+Will (P+W)	P&W - Precautionary List Precautionary list of substances recommended for avoidance
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Some Solvents

SUBSTANCE NOTES: No GreenScreen score or hazard assessment exists for the given CAS RN per the Pharos database. To disclose all potential hazards associated with the polymer, it was analyzed into its likely constituent components. Data gaps were addressed using information sourced from the Pharos database and publicly available PDS/SDS documentation relevant to the material. It's important to note that the composition and ingredient(s) listed are intended for informational and screening purposes only and are not 100% guaranteed to be present in the actual product.

%: **10.0000 - 15.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Monomer**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
SKI	GHS - New Zealand	Skin irritation category 2
EYE	GHS - New Zealand	Eye irritation category 2
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
EYE	GHS - Australia	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
MAM	GHS - Japan	H331 - Toxic if inhaled [Acute toxicity (inhalation: vapor) - Category 3]
MAM	GHS - New Zealand	Acute inhalation toxicity category 3
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
SKI	GHS - New Zealand	Skin sensitisation category 1
REP	GHS - New Zealand	Reproductive toxicity category 2
AQU	GHS - Japan	H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]
MAM	Québec CSST - WHMIS 1988	Class D1A - Very toxic material causing immediate and serious toxic effects
EYE	GHS - Japan	H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Some Solvents

SUBSTANCE NOTES: Please refer to the substance notes for methyl methacrylate.

2-ETHYLHEXYL ACRYLATE

ID: **103-11-7**

#: 1.0000 - 5.0000

GreenScreen: **BM-2**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Monomer**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
CAN	CA EPA - Prop 65	Carcinogen
CAN	IARC	Group 2b - Possibly carcinogenic to humans
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
SKI	GHS - New Zealand	Skin irritation category 2
EYE	GHS - New Zealand	Eye irritation category 2
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 3
SKI	GHS - New Zealand	Skin sensitisation category 1
AQU	GHS - Japan	H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]
AQU	GHS - Japan	H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Please refer to the substance notes for methyl methacrylate.

WATER

#: 20.0000 - 30.0000

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Other: Water

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are registered for this chemical per the Pharos database.

OTHER MATERIAL NOTES:

WATER

ID: 7732-18-5

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2025-11-25 8:07:09**

%: 100.0000	GreenScreen: BM-4	RC: None	NANO: No	SUBSTANCE ROLE: Solvent
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HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
EXEMPT	European Union / European Commission (EU EC)	EU - REACH Exemptions Exempted from REACH Annex IV listing due to intrinsic safety

SUBSTANCE NOTES:

EXTENDER

%: 20.0000 - 30.0000

PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes	MATERIAL TYPE: Geologically Derived Material
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RESIDUALS AND IMPURITIES NOTES: The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNOT) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES:

MICA

ID: 12001-26-2

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2025-11-25 8:20:43**

%: 99.0000 - 99.9000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Filler
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HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: "Certain varieties contain traces of iron, titanium, lithium, sodium and fluorine."International Labour Office. Encyclopedia of Occupational Health and Safety. Vols. I&II. Geneva, Switzerland: International Labour Office, 1983., p. 1358 [PubChem]

QUARTZ

ID: 14808-60-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2025-11-25 8:23:01**

#: 0.1000 - 1.0000

GreenScreen: **BM-1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Impurity/Residual**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CAN	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	US NIH - Report on Carcinogens	Known to be a human Carcinogen
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]
CAN	GHS - New Zealand	Carcinogenicity category 1
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
GEN	GHS - Japan	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Mica, mainly muscovite and phlogopite, contains less than 1% quartz. [Haz-map] - Pharos database

ADDITIVE

#: 5.0000 - 10.0000

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Other: Organic compound

RESIDUALS AND IMPURITIES NOTES: The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNOT) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES:

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-11-25 8:20:15**

%: **100.0000** GreenScreen: **BM-2** RC: **None** NANO: **No** SUBSTANCE ROLE: **Solvent**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Antimicrobials
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Some Solvents

SUBSTANCE NOTES: Solvent/freeze-thaw stabilizer for paints and coatings.

BIOCIDE

%: **0.0500 - 0.2500**

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Other: Organic compound

RESIDUALS AND IMPURITIES NOTES: The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNOT) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES:

KATHON 886

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-11-25 8:07:12**

%: **100.0000** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Antimicrobial Pesticide**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H310 - Fatal in contact with skin [Acute toxicity (dermal) - Category 1 or 2]
SKI	GHS - Australia	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]
AQU	GHS - Australia	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
AQU	GHS - Korea	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	GHS - Korea	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
SKI	GHS - Korea	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1]
MAM	GHS - Korea	H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]
MAM	GHS - Australia	H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]
MAM	GHS - Korea	H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 2]
MAM	GHS - Australia	H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]
MAM	GHS - Korea	H310 - Fatal in contact with skin [Acute toxicity (dermal) - Category 1]
MAM	GHS - Australia	H310 - Fatal in contact with skin [Acute toxicity (dermal) - Category 1 or 2]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Antimicrobials

SUBSTANCE NOTES: No residuals or impurities are expected to be present at or above 100 ppm.

ANTIMICROBIAL

%: 0.1000 - 0.2000

PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes	MATERIAL TYPE: Other: Organic compound
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RESIDUALS AND IMPURITIES NOTES: The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNOT) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES:

DIURON

ID: 330-54-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2025-11-25 8:21:35
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%: 99.0000 - 100.0000 GreenScreen: LT-1 RC: None NANO: No SUBSTANCE ROLE: Antimicrobial Pesticide

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CAN	CA EPA - Prop 65	Carcinogen
END	EU - Priority Endocrine Disruptors	Category 2 - In vitro evidence of biological activity related to Endocrine Disruption
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1B]
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
CAN	GHS - New Zealand	Carcinogenicity category 2
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]

MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1
CAN	EU - Annex VI CMRs	Carcinogen Category 2 - Suspected human Carcinogen
AQU	GHS - New Zealand	Hazardous to the aquatic environment - acute category 1
REP	GHS - New Zealand	Reproductive toxicity category 2
AQU	GHS - Japan	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	GHS - Japan	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
AQU	GHS - Australia	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 1
CAN	GHS - Malaysia	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
AQU	GHS - Malaysia	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
AQU	GHS - Malaysia	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
CAN	GHS - Australia	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Antimicrobials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Cosmetics and Personal Care Products

SUBSTANCE NOTES: No residuals or impurities are expected to be present at or above 100 ppm.

Section 3: Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS

CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario

COMPLIANCE TYPE: Third Party

ISSUE DATE: 2025-08-08

EXPIRY DATE: 2028-08-08

CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: Middle East Testing Services L.L.C.

COMPLIANCE DETAILS:

COMPLIANCE SCOPE: Product

APPLICABLE FACILITIES: Berger Paints Emirates Ltd. Co. L.L.C. P.O. Box 27524, Al Qouz 1, Dubai, U.A.E.

COMPLIANCE URL: <https://metslab.com/>

COMPLIANCE NOTES: Report # MR-240725-224. The report does not explicitly list the expiry date; the entered date was only to satisfy the filed requirement.

VOC CONTENT

EPA Method 24 - Volatile Matter Content (EPA 24)

COMPLIANCE TYPE: Third-party certification

ISSUE DATE: 2025-08-01

EXPIRY DATE: 2028-08-01

CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: Wimpey Laboratories LLC

COMPLIANCE DETAILS:

COMPLIANCE SCOPE: Product

APPLICABLE FACILITIES: Berger Paints Emirates Ltd. Co. L.L.C. P.O. Box 27524, Al Qouz 1, Dubai, U.A.E.

COMPLIANCE URL: <https://wimpeylab.com/en>

COMPLIANCE NOTES: Report No.: WD-R-250724-0464. The report does not explicitly list the expiry date; the entered date was only to satisfy the filed requirement.

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

No accessories are required for this product.

Section 5: General Notes

Recommended Areas Of Application:

Area of Use: Interior

Subtract: Concrete, Plaster, Masonry, Gypsum & Timber (with appropriate undercoat)

Sheen Variants: Metallic, Smooth

Method of application: Trowel, Designer tools, Brush or Roller application.

Thinner: Sweet water

Thinning ratio (by vol.): Use 10%-20% for ease of application depending on the method of application.

For more information, please refer to the product data sheet.

MANUFACTURER INFORMATION

MANUFACTURER: **Berger Paints Emirates Ltd. Co. L.L.C.**
 ADDRESS: **P.O. Box 27524, Al Qouz 1, Dubai, U.A.E.**
Dubai, Dubai 27524
 COUNTRY: **United Arab Emirates**

WEBSITE: **https://www.asianpaints.com/**
 CONTACT NAME: **Shirouz Sharafuddeen**
 TITLE: **Officer - Technology**
 PHONE: **00971-43391000**
 EMAIL: **shirouz.sharafuddeen@asianpaints.com**

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

AQU Aquatic toxicity	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U Benchmark Unspecified (due to insufficient data)	

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

Recycled Types

- PreC** Pre-consumer recycled content
- PostC** Post-consumer recycled content
- UNK** Inclusion of recycled content is unknown
- None** Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Inventory Methods:

- Nested Method / Material Threshold** Substances listed within each material per threshold indicated per material
- Nested Method / Product Threshold** Substances listed within each material per threshold indicated per product
- Basic Method / Product Threshold** Substances listed individually per threshold indicated per product

- Nano** Composed of nano scale particles or nanotechnology
- Third Party Verified** Verification by independent certifier approved by HPDC
- Preparer** Third party preparer, if not self-prepared by manufacturer
- Applicable facilities** Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.

Test Report

Customer Details

BERGER PAINTS EMIRATES LTD CO (L.L.C.)

P.O Box No: 27524 Al Qouz, Dubai, UAE CAF24 - 133

Report No. WD-R-250724-0464



Request No. : WD-Q-250724-0101

Received Date : 24/07/2025

Sample No. : WD-S-250724-0958

Sampling Date	: 24/07/2025	Report Date.	: 01/08/2025
Analysis Start Date.	: 24/07/2025	Analysis End Date.	: 01/08/2025
Sample Location.	: Berger Paints Emirates Ltd Co LLC, Al Quoz - Dubai, UAE	Sampled By	: RISHAD
Sample Description	: Royale Play Bariq	Sample Identification	: Royale Play Bariq
Source	: Berger Paints Emirates Ltd Co LLC, Al Quoz - Dubai, UAE	Samplerrefno	: SP/C
Sampling Time	: 09:05 AM		

Parameters	Test Methods	Units	Results
VOC content	USEPA 24	g/L	4
Analyst	Reviewed By	Method Variation	
CB	AY	None	

Signed for and on behalf of Wimpey Laboratories



Anandu VS

Section In-charge – Chemistry (Specialty)

Test results relate only to the samples tested. This report shall not be reproduced except in full, without the written approval of the Laboratory. This is a LIMS software generated document with E Signature.

Form No: WRF1-P-002 Issue No.:01 Rev No:00 Issued Date:20-05-2020

- End of Text -



ميديل ايست لخدمات الفحص Middle East Testing Services



STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL (VOC) EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS VERSION 1.2-CALIFORNIA DEPARTMENT OF PUBLIC HEALTH (CDPH)

(Emission testing method for California Specification 01350)

Laboratory Report

1. Introduction

Middle East Testing Laboratory L.L.C (METS) were contacted by Berger Paints Emirates Ltd Co (LLC) and requested to perform 14 days emission test as per CDPH Method.

Client : Berger Paints Emirates Ltd Co (LLC)
Al Gouz Indl Area-1, Opp TCTI factory,
P O Box: 27524 - Dubai,UAE
Report No : MR-240725-224
Reporting Date : 08/08/2025
Tested by : SH
Date of Analysis : 24/07/2025-08/08/2025
Issue No : 01 (Re-Issue Date: NA)

2. Sample Information

Sample Description : Royale Play Bariq

3. Brief Evaluation of the Results:

MS-240725-224	TVOC and Individual VOC's of Concern		Formaldehyde	
	Criterion	Compliance	Criterion	Compliance
	TVOC: <0.5 mg/m ³	PASS	≤9.0µg/m ³	PASS
	Individual VOC: < Limit	PASS		

Details furnished in following pages

Prepared by

Team Head
Material Science Division (MSD)
Employee Code: METS AJ EC 220

Verified by

Supervisor
Fire & Material Science Division
Employee Code: METS AJ EC 110



Report No.: MR-240725-224

4. Test Method

Standard Method for the Testing and Evaluation of VOC Emissions from Indoor Sources using Environmental Chambers, version 1.2 of January 2017 by the California Department of Public Health (CDPH Method).

For evaluation of test results the principle of shared risk is applied, i.e., for a max limit, a result Less than or equal to the limit complies and a result Greater than the limit does not comply.

5. Sample Preparation

The Royale Play Bariq was mixed vigorously until it is fully homogenous and coated on a steel plate which has an area of 0.36 m²

6. Test Procedure

Principle: To determine the specific emission rates of VOC's emitted from the tested specimen. The test was conducted in a small-scale environmental chamber at specified constant conditions of temperature, relative humidity, ventilation rate and product loading factor. The chamber is considered to be a constantly stirred tank reactor. As the air in the chamber is fully mixed, VOC concentrations measured at the chamber exhaust represents the air concentrations in the chamber. From the airflow rate into the chamber, the VOC concentration, and the exposed surface area of the specimen, an area-specific emission rate or emission factor is calculated using the steady-state form of the mass-balance model.

The specimens were placed in a separate conditioning container in a room with controlled climate conditions of temperature 23 ± 1°C and 50 ± 4 % RH. After 10 days ± 5 h of conditioning the specimens were placed in a 1 m³ emission chamber of stainless steel. Air samplings, minimum duplicates, were carried out after 24, 48 and 96 hours in the chamber.

Conditions in the emission chamber

Chamber volume	: 1.0 m ³ , stainless steel
Temperature	: 23 ± 1°C
Relative humidity	: 50 ± 4 % RH
Area of test specimen	: 0.36 m ²
Area specific air flow rate	: 2.0 m ³ /m ² h
Air exchange rate	: 1.0 h ⁻¹
Air velocity at specimen surface	: 0.1 – 0.3 m/s

The air samples from the chamber were collected into a collection vessel containing sorbent materials. VOCs are determined by GC comparing the chromatographic retention time and mass spectrum of the unknown to the corresponding parameters for the pure compound analyzed on the same. Matching retention times and mass spectra provide positive, confirmed identifications.

The capillary column used is RXi-624 Sil MS – 30m x 0.32mm x 1.8µm. The mass/charge ratio is used for compound identification. The total volatile organic compounds (TVOC) mean compounds eluting between and including n-hexane to hexadecane, having boiling points in the range of about 60-250 °C. The emission rate of TVOC is quantified with known equivalent standard and includes all compounds ca ≥ 1 µg/m³ in the chamber. Minimum duplicate air samples were taken and the results are mean values. Sampled volumes are 3 to 8 L.

The samplings of formaldehyde and acetaldehyde were carried out with DNPH samplers. The samplers were analyzed similar to ISO 16000-3:2011(Indoor air--Part 3: Determination of formaldehyde and other carbonyl compounds – Active sampling method). This means analysis on a liquid chromatograph with absorbance detector. Duplicate air samples were taken and the results are mean values. Sampled volumes were 60 to 80 L.

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7. Results

The results in Table 1, 2 and 3 are expressed as concentrations in the test chamber and as area specific emission rates. Calculation of emission rate from chamber concentration:

$$SER_i = \frac{Conc \times n}{L}$$

SER_i = area specific emission rate, in $\mu\text{g}/\text{m}^2\text{h}$

Conc = concentration of a VOC in the chamber, in $\mu\text{g}/\text{m}^3$

n = air exchange rate, in changes per hour

L = loading factor, in m^2/m^3 (area of sample/volume of chamber)

Test results of TVOC and formaldehyde after 24 hours and 48 hours

Table 1

Test results of Royale Play Bariq, after 24 h

Volatile organic compound	CAS number	Retention time (min)	Concentration in the chamber ($\mu\text{g}/\text{m}^3$)	Emission rate ($\mu\text{g}/\text{m}^2\text{h}$)
After 24 h:				
TVOC (C6 – C16)	--	5.9-40.1	< 20	< 50
Formaldehyde	50-00-0	--	< 1	< 1

Table 2

Test results of Royale Play Bariq, after 48 h

Volatile organic compound	CAS number	Retention time (min)	Concentration in the chamber ($\mu\text{g}/\text{m}^3$)	Emission rate ($\mu\text{g}/\text{m}^2\text{h}$)
After 48 h:				
TVOC (C6 – C16)	--	5.9-40.1	< 20	< 50
Formaldehyde	50-00-0		< 1	< 1

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Test results of TVOC and VOCs after 96 hours

Table 3

Test results of Royale Play Bariq, after 96 h

Volatile organic compound	CAS number	Retention time (min)	Concentration in the chamber (µg/m ³)	Emission rate (µg/m ² h)
TVOC (C6 – C16)	--	5.9-40.1	< 20	< 50
Identified substances:				
No substances identified	--	--	< 2	< 4
Volatile Carcinogens 1		5.9-40.1		
No substances identified	--	--	< 1	< 1
Substances outside TVOC:				
VVOC (< C6)		4.5 – 6.2		
No substances identified	--	--	< 2	< 4
SVOC (C16 – C22)		37.9 - 50.0		
No substances identified	--	--	< 2	< 4
Formaldehyde	50-00-0	--	< 1	< 1
Acetaldehyde	75-07-0	--	< 1	< 1

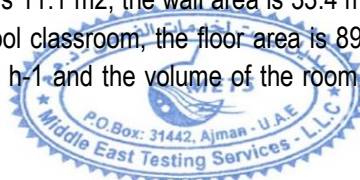
¹⁾ Volatile carcinogens = VOCs according to EU Regulation No 1272/2008 Annex VI, cat 1A and 1B

The emission results in Table 4 are expressed as area emission rates (in µg/m²h) and as concentrations in a standard private office and in a standard school classroom (in µg/m³). Calculation of concentration of VOC in the standard private office from emission rate:

$$C = (SER \times A) \div (n \times V)$$

C = concentration of VOC in the private office, in µg/m³
 SERa= area specific emission rate of the tested product, in µg/m²h
 A = surface area of the tested product, in m, here 33.4 m, (wall area)
 n = air ventilation rate, in changes per hour, here 0.68 h-1
 V = volume of a private office in m³, here 30.6 m³

In the standard private office, the floor area is 11.1 m², the wall area is 33.4 m², door & other millwork 1.89 m² and wall base area 1.27 m². In a standard school classroom, the floor area is 89.2 m², the wall area is 94.6 m², wall base area 9.68 m², air ventilation rate 0.82 h⁻¹ and the volume of the room is 231 m³. Wall area is used for the calculations



Test results of the estimated concentrations in a standard private office and a standard school classroom scenario according to the target VOCs according to one-half of the CREL list (compound 1-35) and non-listed compounds:

Table 4

Estimated concentrations in a standard private office and a standard school classroom

No	Volatile organic compound	CAS number	Emission rate (µg/m ² h)	Concentration in private office (µg/m ³)	Concentration in school classroom (µg/m ³)
1.	Acetaldehyde	75-07-0	ND	< 3	< 1
2.	Benzene	71-43-2	ND	<0.3	<0.3
3.	Carbon disulfide	75-15-0	ND	< 3	< 1
4.	Carbon tetrachloride	56-23-5	ND	< 3	< 1
5.	Chlorobenzene	108-90-7	ND	< 3	< 1
6.	Chloroform	67-66-3	ND	< 3	< 1
7.	Dichlorobenzene (1,4-)	106-46-7	ND	< 3	< 1
8.	Dichloroethylene (1,1)	75-35-4	ND	< 3	< 1
9.	Dimethylformamide (N, N-)	68-12-2	ND	< 3	< 1
10.	Dioxane (1,4-)	123-91-1	ND	< 3	< 1
11.	Epichlorohydrin	106-89-8	ND	< 3	< 1
12.	Ethylbenzene	100-41-4	ND	< 3	< 1
13.	Ethylene glycol	107-21-1	ND	< 3	< 1
14.	Ethylene glycol mono ethyl ether	110-80-5	ND	< 3	< 1
15.	Ethylene glycol mono ethyl ether	111-15-9	ND	< 3	< 1
16.	Ethylene glycol monomethyl ether	109-86-4	ND	< 3	< 1
17.	Ethylene glycol monomethyl ether	110-49-6	ND	< 3	< 1
18.	Formaldehyde	50-00-0	ND	< 3	< 1
19.	n-Hexane	110-54-3	ND	< 3	< 1
20.	Iso-phorone	78-59-1	ND	< 3	< 1
21.	Isopropanol	67-63-0	ND	< 3	< 1
22.	Methyl chloroform	71-55-6	ND	< 3	< 1
23.	Methylene chloride	75-09-2	ND	< 3	< 1
24.	Methyl t-butyl ether	1634-04-4	ND	< 3	< 1
25.	Naphthalene	91-20-3	ND	< 3	< 1

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Table 4 Cont.

No	Volatile organic compound	CAS number	Emission rate (µg/m ² h)	Concentration in private office (µg/m ³)	Concentration in school classroom (µg/m ³)
26.	Phenol	108-95-2	ND	< 3	< 1
27.	Propylene glycol monomethyl ether	107-98-2	ND	< 3	< 1
28.	Styrene	100-42-5	ND	< 3	< 1
29.	Tetrachloroethylene	127-18-4	ND	< 3	< 1
30.	Toluene	108-88-3	ND	< 3	< 1
31.	Trichloroethylene	79-01-6	ND	< 3	< 1
32.	Vinyl acetate	108-05-4	ND	< 3	< 1
33-35	Xylenes (m-, o-, p-)	108-38-3, 95-47-6, 106-42-3	ND	< 3	< 1
	TVOC (C6 – C16)	-	< 20	< 30	< 10
	SVOC (C16 – C22)	-	<2	<3	<1

ND = not detected (detection limit is approx. 2 µg/m²h)

Evaluation of the test results

The tested product Royale Play Bariq complies with the requirements of the Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources using Environmental Chambers, version 1.2, 2017, by the California Department of Public Health.

The test results can be used to evaluate compliance with the indoor air emission requirements of LEED v4.1 and BREEAM International (2016 & 2021), see Table 5 and 6. The sample is evaluated as wall product.



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Table 5.
Standard private office: Compliance with LEED v4.1 and BREEAM International (2016 & 2021)

	Concentration in private office (mg/m ³)	Maximum allowable conc. (mg/m ³)	PASS / FAIL
LEED v4.1			
TVOC	<0.010	0.5 mg/m ³ or less	PASS
		between 0.5 and 5.0 mg/m ³	-
		5.0 mg/m ³ or more	-
Acetaldehyde	< 0.003	0.070	PASS
Formaldehyde	< 0.003	0.009	PASS
Single VOC compounds found with defined CREL:	ND	According to list of CREL (see App 3)	PASS
BREEAM International (2016 & 2021)			
TVOC	<0.010	1.0 (emission criteria)	PASS
		0.3 (exemplary level emission criteria)	PASS
SVOC	< 0.003	0.1 (exemplary level emission criteria)	PASS
Carc cat 1A+1B	< 0.001	0.001	PASS
Formaldehyde	< 0.003	0.06 (emission criteria)	PASS
		0.01 (exemplary level emission criteria)	PASS



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Table 6.
Standard school classroom: Compliance with LEED v4.1 and BREEAM International (2016 & 2021)

	Concentration in private office (mg/m ³)	Maximum allowable conc. (mg/m ³)	PASS / FAIL
LEED v4.1			
TVOC	<0.010	0.5 mg/m ³ or less	PASS
		between 0.5 and 5.0 mg/m ³	-
		5.0 mg/m ³ or more	-
Acetaldehyde	< 0.001	0.070	PASS
Formaldehyde	< 0.001	0.009	PASS
Single VOC compounds found with defined CREL:	ND	According to list of CREL (see App 3)	PASS
BREEAM International (2016 & 2021)			
TVOC	<0.010	1.0 (emission criteria)	PASS
		0.3 (exemplary level emission criteria)	PASS
SVOC	<0.001	0.1 (exemplary level emission criteria)	PASS
Carc cat 1A+1B	< 0.001	0.001	PASS
Formaldehyde	< 0.001	0.06 (emission criteria)	PASS

Appendices:

1. Target CREL VOCs and their maximum allowable concentrations

The above test report shall not be reproduced (except in full) without the written approval of METS. When analysis is witnessed by us or carried out by sub-contract labs, our responsibility is solely to ensure that the analysis is conducted to standard test methods in accordance with industry accepted practice.

For further clarification of reports, please contact gc@metslab.com



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APPENDIX I

Sl. No	Volatile organic compound	CAS number	Maximum allowable conc. (µg/m ³)
1.	Acetaldehyde	75-07-0	70
2.	Benzene	71-43-2	0.3
3.	Carbon disulfide	75-15-0	400
4.	Carbon tetrachloride	56-23-5	20
5.	Chlorobenzene	108-90-7	500
6.	Chloroform	67-66-3	150
7.	Dichlorobenzene (1,4-)	106-46-7	400
8.	Dichloroethylene (1,1)	75-35-4	35
9.	Dimethylformamide (N, N-)	68-12-2	40
10.	Dioxane (1,4-)	123-91-1	1 500
11.	Epichlorohydrin	106-89-8	1.5
12.	Ethylbenzene	100-41-4	1 000
13.	Ethylene glycol	107-21-1	200
14.	Ethylene glycol mono ethyl ether	110-80-5	35
15.	Ethylene glycol mono ethyl ether acetate	111-15-9	150
16.	Ethylene glycol monomethyl ether	109-86-4	30
17.	Ethylene glycol monomethyl ether acetate	110-49-6	45
18.	Formaldehyde	50-00-0	9
19.	n-Hexane	110-54-3	3 500
20.	Iso-phorone	78-59-1	1 000
21.	Isopropanol	67-63-0	3 500
22.	Methyl chloroform	71-55-6	500
23.	Methylene chloride	75-09-2	200
24.	Methyl t-butyl ether	1634-04-4	4 000
25.	Naphthalene	91-20-3	4.5
26.	Phenol	108-95-2	100
27.	Propylene glycol monomethyl ether	107-98-2	3 500
28.	Styrene	100-42-5	450
29.	Tetrachloroethylene	127-18-4	17.5
30.	Toluene	108-88-3	150
31.	Trichloroethylene	79-01-6	300
32.	Vinyl acetate	108-05-4	100
33-35	Xylenes (m-, o-, p-)	108-38-3, 95-47-6, 106-42-3	350

Target CREL VOCs and their maximum allowable concentrations.

Remarks: Traceability details of the sample not provided by client.

Test Location: Ajman

-End of Report-