SCS Global Services *does hereby certify that an independent assessment has been conducted on behalf of:*

Vitra International AG

Klünenfeldstrasse 22, Birsfelden, BL, Switzerland

For the following product(s):

Office Table:

Tyde Cluster Melamine Surface

Screening Date: 1/25/2019

Verification # qGE-6803

The product(s) meet(s) all of the necessary qualifications to be certified for the following claim(s):

Verified Health Product Declaration

This validation conforms to the Health Product Declaration Open Standard, Version 2.1.1 (July 2, 2018). Products have a complete, basic method, product threshold HPD and have been validated for health hazard warnings using full disclosure at an inventory threshold of 100 ppm (0.01%). HPDC Special Conditions used for HPD.

Registration # SCS-HPD-05393

Valid from: March 26, 2019 to January 25, 2022

SCS global SERVICES

Stanley Mathuram, PE, Vice President
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

Tyde (Cluster) - Melamine Surface by Vitra Factory GmbH

Health Product Declaration v2.1.1

created via: HPDC Online Builder

CLASSIFICATION: 12 51 23 Office Table

PRODUCT DESCRIPTION: Tyde caters to individual needs: desks in various sizes can be outfitted to accommodate the required functions. Users can choose from three height adjustment options: an electric motor for sit-stand tables, and a hand crank or manual locking mechanism for standard tables. Additional elements such as technical beams, various screens, CPU holders and other accessories allow for further individualization. Wood materials with a melamine resin surface coating are robust and durable. They come in a variety of colors, are easy to clean, and provide a less expensive alternative to wood veneer or solid wood.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- ○ Nested Materials Method
- ◉ Basic Method

Threshold Disclosed Per

- ○ Material
- ◉ Product

Threshold level

- ◉ 100 ppm
- ○ 1,000 ppm
- ○ Per GHS SDS
- ○ Per OSHA MSDS
- ○ Other

Residuals/Impurities

- ◉ Considered
- ○ Partially Considered
- ○ Not Considered

Explanation(s) provided for Residuals/Impurities?

- ◉ Yes ○ No

All Substances Above the Threshold Indicated Are:

Characterized ◉ Yes Ex/SC ○ Yes ○ No

% weight and role provided for all substances except SC substances characterized according to SC guidance.

Screened ◉ Yes Ex/SC ○ Yes ○ No

All substances screened using Priority Hazard Lists with results disclosed except SC substances screened according to SC guidance.

Identified ◉ Yes Ex/SC ○ Yes ○ No

All substances disclosed by Name (Specific or Generic) and Identifier except SC substances identified according to SC guidance.

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.

MATERIAL | SUBSTANCE | *RESIDUAL OR IMPURITY* GREENSCREEN SCORE | HAZARD TYPE

TYDE (CLUSTER) - MELAMINE SURFACE [STEEL MANUFACTURE, CHEMICALS LT-UNK CELLULOSE, MICROCRYSTALLINE NoGS 3003-H14 ALUMINUM LT-P1 | RES | PHY | END FORMALDEHYDE LT-1 | RES | CAN | MAM | SKI | GEN | MUL | END UREA LT-UNK FATTY ACIDS, CASTOR-OIL, CAUSTIC-OXIDIZED, DISTN. RESIDUES, ESTERS WITH AMMONIA-ETHYLENE OXIDE REACTION PRODUCT DISTN. RESIDUES, COMPDS. WITH DIETHYLENETRIAMINE AND TRIETHYLENETETRAMINE NoGS SC:ELECTRONIC COMPONENTS Not Screened ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER LT-UNK NYLON 6 LT-UNK MELAMINE FORMALDEHYDE LT-UNK AMMONIUM SULFATE LT-P1 | END COPPER LT-UNK POLY(OXYMETHYLENE) NoGS]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Special conditions applied: Electronics

[LEED v4] "Yes ex/SC" result is due only to materials and substances for which Special Conditions were applied. Thus "Yes ex/SC" does not disqualify the product for the LEED v4 Materials and Resources Disclosure and Optimization credit, Option 1.

The VITRA team worked with an HPDC Approved Preparer to confirm that all residuals and impurities were considered under the preparation of this HPD. This was accomplished by working with EPD information that was provided by the VITRA team and their EPD verifier, SCS Global.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings.*

VOC emissions: No Certification

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified? PREPARER: ToxServices LLC SCREENING DATE: 2019-01-25

- (•) Yes
- ( ) No

VERIFIER: SCS Global Services
VERIFICATION #: qGE-6803

PUBLISHED DATE: 2019-03-26
EXPIRY DATE: 2022-01-25

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 2.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

TYDE (CLUSTER) - MELAMINE SURFACE

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: The VITRA team worked with an HPDC Approved Preparer to confirm that all residuals and impurities were considered under the preparation of this HPD. This was accomplished by working with EPD information that was provided by the VITRA team and their EPD verifier, SCS Global.

OTHER PRODUCT NOTES:

STEEL MANUFACTURE, CHEMICALS

ID: 65997-19-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-01-25**

%: **38.0900 - 38.0900**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Table Top; Cable Tray; Electrification; Control Box; Cable Conduit; Table Top Electrification; Base; Screen; Technical Beam; Monitor Adapert and Document Box Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	No hazards found	*3rd Party Screened*

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

CELLULOSE, MICROCRYSTALLINE

ID: 9004-34-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-01-25**

%: **30.7700 - 30.7700**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Table Top Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	No hazards found	*3rd Party Screened*

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

3003-H14 ALUMINUM

ID: 7429-90-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-01-25**

%: **16.4400 - 16.4400**

GS: **LT-P1**

RC: **PostC**

NANO: **No**

ROLE: **Table Top Electrification; Technical Beam; Base; Screen and Monitor Adapter Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

3rd Party Screened

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer. The aluminum is 95% post-consumer recycled.

FORMALDEHYDE

ID: **50-00-0**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-01-25**

%: **3.4600 - 3.4600** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Binder Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CANCER	US EPA - IRIS Carcinogens	(1986) Group B1 - Probable human Carcinogen
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
MAMMALIAN	EU - GHS (H-Statements)	H311 - Toxic in contact with skin
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled
GENE MUTATION	EU - GHS (H-Statements)	H341 - Suspected of causing genetic defects
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances
CANCER	Korea - GHS	Carcinogenicity - Category 1 [H350 - May cause cancer]
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
CANCER	New Zealand - GHS	6.7A - Known or presumed human carcinogens
CANCER	Japan - GHS	Carcinogenicity - Category 1A
CANCER	Australia - GHS	H350i - May cause cancer by inhalation

3rd Party Screened

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

UREA

ID: 57-13-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-01-25**

%: **3.4600 - 3.4600** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Binder Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	No hazards found	

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

FATTY ACIDS, CASTOR-OIL, CAUSTIC-OXIDIZED, DISTN. RESIDUES, ESTERS WITH AMMONIA-ETHYLENE OXIDE REACTION PRODUCT DISTN. RESIDUES, COMPDS. WITH DIETHYLENETRIAMINE AND TRIETHYLENETETRAMINE

ID: **113669-97-9**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-01-25**

%: **3.3400 - 3.3400** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Cable Tray; Screen and Cable Conduit Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	No hazards found	

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

SC:ELECTRONIC COMPONENTS

ID: **SC:Electronics**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-01-25**

%: **3.3400 - 3.3400** GS: **Not Screened** RC: **None** NANO: **No** ROLE: **Control Box and Handset; Table Top Electrification**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	Hazard Screening not performed	

SUBSTANCE NOTES:
Version: SCElec/2018-02-23
Brief Description: Electric components for Control box, Handset and Table Top Electrification.
Compliance: In Compliance
Takeback Program: N/A

The HPDC Approved Preparer worked with Vitra's four electrical component suppliers to obtain RoHs documentation for each of the electrical components that are present under this HPD.

ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER

ID: **9003-56-9**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-01-25**

%: **2.5000 - 2.5000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Table Top; Table Top Electrification and Documnet Box Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	No hazards found	*3rd Party Screened*

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

NYLON 6

ID: 25038-54-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-01-25**

%: **1.3400 - 1.3400** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Table Top; Cable Conduit; Electrification; Table Top Electrification; Base; Screen and Technical Beam Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	No hazards found	*3rd Party Screened*

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

MELAMINE FORMALDEHYDE

ID: 9003-08-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-01-25**

%: **0.5400 - 0.5400** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Table Top Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	No hazards found	*3rd Party Screened*

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

AMMONIUM SULFATE

ID: 7783-20-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-01-25**

%: **0.3500 - 0.3500** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Table Top Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
		3rd Party Screened

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

COPPER

ID: 7440-50-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-01-25**

%: **0.0500 - 0.0500** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Cable Tray and Base Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	No hazards found	*3rd Party Screened*

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

POLY(OXYMETHYLENE)

ID: 9002-81-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-01-25**

%: **0.0300 - 0.0300** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Technical Beam and Monitor Adapter Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	No hazards found	*3rd Party Screened*

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

Section 3: Certifications and 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	No Certification

CERTIFYING PARTY: Self-declared
APPLICABLE FACILITIES: N/A
CERTIFICATE URL:

ISSUE DATE: 2019-01-07

EXPIRY DATE: 2019-01-14

CERTIFIER OR LAB: N/A

CERTIFICATION AND COMPLIANCE NOTES: No current certifications available for this product.

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

The VITRA team worked with an HPDC Approved Preparer to confirm that all residuals and impurities were considered under the preparation of this HPD. This was accomplished by working with EPD information that was provided by the VITRA team and their EPD verifier, SCS Global.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Vitra Factory GmbH**
ADDRESS: **Charles-Eames-Strasse 2**
Weil am Rhein - D-79576, Germany
WEBSITE: **info@vitra.com**

CONTACT NAME: **Paul Schanz**
TITLE: **Technical Support Engineer**
PHONE: **+49 7621 702 3168**
EMAIL: **Paul.Schanz@vitra.com**

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet
GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

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

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)
BM-3 Benchmark 3 (use but still opportunity for improvement)
BM-2 Benchmark 2 (use but search for safer substitutes)
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspecified (insuficient data to benchmark)
LT-P1 List Translator Possible Benchmark 1
LT-1 List Translator Likely Benchmark 1
LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
NoGS Unknown (no data on List Translator Lists)

Recycled Types

PreC Preconsumer (Post-Industrial)
PostC Postconsumer
Both Both Preconsumer and Postconsumer
Unk Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms
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.