

C E R T I F I C A T E

TSCA-CARB-2020-10-16-01

In accordance with the provisions of Third Party Certification required within US EPA TSCA Title VI – 40 CFR Part 770 – Formaldehyde Emission Standards for Composite Wood Products and the Final Regulation Order of “Airborne Toxic Control Measure (ATCM) to Reduce Formaldehyde Emission from Composite Wood Products” - § 93120 - 93120.12, title 17, California Code of Regulations – by the California Air Resources Board (CARB),

Entwicklungs- und Prüflabor Holztechnologie GmbH (EPH)
Zellescher Weg 24, D-01217 Dresden, Germany

as CARB-approved and EPA- approved **TPC-10** has

- (A) verified that the panel producer’s quality assurance and quality control procedures are complying with the requirements
- (B) verified the panel producer’s quality control test results compared with test results from ASTM E1333 or ASTM D6007, by having the TPC laboratory conduct quarterly tests
- (C) established quality control limit(s) (QCLs) for each product type
- (D) established a process that will be used to determine if products are exceeding the applicable QCL
- (E) provided the CARB or EPA TPC number to the panel producer for labeling and recordkeeping; and
- (F) inspected the panel producer, its products and records at least quarterly

according to Third Party Supervision and Certification Contract BFU-08-10-13-01
and certifies that the product

Birch Plywood (HWPW-VC), PF-glued, unfaced
in the nominal thickness range of 4 mm to 50 mm

manufactured by
Latvijas Finieris AS, mill Lignums

at its manufacturing site
Finiera iela 6
LV-1016 Riga, Latvia

complies with the applicable emission standards set forth
in TSCA Title VI – § 770.10 and CARB Phase 2 according to table 1 of § 93129.2.

This evaluation is based on Supervision Report No. 2117009/2020/02/A1 dated 16 October 2020. This certificate was issued on 16 October 2020 and is valid as long as the continuous supervision is carried out by EPH, unless the requirements and conditions under which this certificate has been issued will have changed considerably.

16 October 2020

Date



Dr.-Ing. Rico Emmeler
Certification Body

ATTESTATION OF CONFORMITY

EPA TSCA Title VI – Attestation ULEF – 2020-03-02-01

Expiry date: 26 February 2022

By order of the US Environmental Protection Agency (EPA), according to the Toxic Substances Control Act Title VI, under section 40 CFR Part 770 - Formaldehyde Emission Standards for Composite Wood Products, relating to EPA approval of third party certifiers under Subpart B - EPA TSCA Title VI, §770.7

Entwicklungs- und Prüflabor Holztechnologie GmbH (EPH)
Zellescher Weg 24, D-01217 Dresden, Germany

as EPA TSCA Title VI recognized **TPC-10**

has assessed, that the below mentioned product fulfils the requirements according to EPA TSCA Title VI, §770.18(d) for a two-year exemption from testing requirements in §770.20 and certification requirements in §§ 770.15 and 770.40(b) for composite wood products as for the product a valid exemption from CARB is available, which is also valid under TSCA Title VI according to §770.18(e).

**Plywood (HWPW-VC), phenol-formaldehyde (LPF), unfaced
in the nominal thickness range of 4 mm - ≤ 50 mm**

manufactured by
Latvijas Finieris, plant Lignums

at its manufacturing site
**Finiera iela 6
LV-1016 Riga, Latvia**

A supervision contract with no. BFU-08-10-13-01 /2117009 between EPH and the manufacturer is available. The attestation confirms the validity of CARB Executive Order N-20-443, unless the requirements and conditions under which this attestation has been issued will have changed considerably acc. to TSCA Title VI – §770.18(h)(i) and as long as the requirements of CARB remain as stringent as EPA's requirements. Latvijas Finieris, plant Lignums's CARB Executive Order N-20-443 was uploaded in the EPA CDX database with assigned Unique Form ID TPC-RTA-189879.

2 March 2020

Date



Dr.-Ing. Rico Emmler
Certification Body

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER N-20-443

Relating to CARB approval for an Exemption from Third-Party Certification for
Composite Wood Product Manufacturers that use
Ultra-low-emitting Formaldehyde Resins under
section 93120.3, title 17, California Code of Regulations

LATVIJAS FINIERIS AS, mill LIGNUMS

WHEREAS, the California Air Resources Board (CARB) has adopted the "Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Products" (the ATCM; title 17, California Code of Regulations, sections 93120-93120.12), which establishes formaldehyde emission standards for composite wood products;

WHEREAS, section 93120.1(a)(42) of the ATCM defines "ultra-low-emitting formaldehyde" (ULEF) based resins to mean resins formulated such that average formaldehyde emissions are consistently below the Phase 2 emission standards in section 93120.2, for making hardwood plywood (HWPW), particleboard (PB), medium density fiberboard (MDF), or thin medium density fiberboard (tMDF);

WHEREAS, section 93120.3(d) of the ATCM allows manufacturers of HWPW, PB, MDF, and tMDF who use ULEF-based resins to apply for written approval from the Executive Officer for an exemption from the requirements of section 93120.3(b) of the ATCM;

WHEREAS, section 93120.3(d) of the ATCM allows manufacturers of HWPW, PB, MDF, and tMDF who use ULEF-based resins to submit an application for an exemption from the requirements of section 93120.3(b) of the ATCM to the Executive Officer, which includes: (A) a statement indicating which product types will be manufactured using ULEF-based resins for sale in California; (B) the chemical formulation of the candidate ULEF-based resins, including base resins, scavenger resins and additives, catalysts, and other additives as used in manufacturing; (C) the name of their CARB-approved third-party certifier (TPC); and (D) data on the emissions performance of the candidate ULEF-based resins;

WHEREAS, the data on emissions performance of the candidate ULEF-based resin required in section 93120.3(d) of the ATCM must be obtained by working with a CARB-approved TPC, and must include six months of routine quality control testing data, the correlation of the routine quality control testing data to primary or secondary testing data, and the results of two primary or secondary method tests, as required in Appendix 2 of section 93120.12 of the ATCM;

WHEREAS, section 93120.3(d)(2) of the ATCM requires that 90 percent of the six months of routine quality control testing data and the results of two primary or secondary method tests must be shown to be no higher than 0.04 parts per million (ppm), and that all data must be shown to be no higher than 0.05 ppm for HWPW and 0.06 ppm for PB, MDF, and tMDF;

WHEREAS, section 93120.3(d)(5) of the ATCM provides that the Executive Officer shall approve the application and issue an Executive Order if the evidence submitted by the applicant is sufficient to demonstrate that the applicant has met the requirements specified in sections 93120.3(d)(1) and 93120.3(d)(2) of the ATCM;

WHEREAS, LATVIJAS FINIERIS AS, mill LIGNUMS (LATVIJAS FINIERIS or the applicant) submitted an original application that we received on February 10, 2020;

WHEREAS, the application from LATVIJAS FINIERIS was deemed complete on February 25, 2020;

WHEREAS, the application from LATVIJAS FINIERIS specifies the range in product manufacturing parameters, applicable post-press product treatments, base resin trade name(s) and base resin manufacturer(s)/supplier(s), and other ingredients added to the base resin by the applicant to manufacture ULEF hardwood plywood-veneer core (HWPW-VC);

WHEREAS, CARB was provided base resin/adhesive information specifying the base resin polymer type, and minimum and maximum values of all major and any minor ingredients in the base resin on a percent weight of solids basis;

WHEREAS, the base resin/adhesive supplier, commercial name and resin type are set forth in Confidential Attachment A;

WHEREAS, section 93120.3(d)(5) of the ATCM provides that the Executive Officer shall approve the application and issue an Executive Order if the evidence submitted by the applicant is sufficient to demonstrate that the applicant has met the requirements specified in section 93120.3(d)(2) of the ATCM; and

WHEREAS, the Executive Officer finds that the completed application demonstrated the ULEF manufacturer's ability to comply with section 93120.3(d) of the ATCM.

NOW, THEREFORE, IT IS ORDERED that LATVIJAS FINIERIS is hereby approved as a ULEF manufacturer of HWPW-VC that is exempt from the requirements of section 93120.3(b) and Appendix 2 of section 93120.12 of the ATCM, provided that the following terms and conditions are met for products sold, supplied, offered for sale, or manufactured for sale in California:

1. LATVIJAS FINIERIS must use the commercial resins listed and suppliers listed in Section A of Confidential Attachment A of this Executive Order for the manufacture of ULEF HWPW-VC products.
2. As specified in Section B of Confidential Attachment A, LATVIJAS FINIERIS is legally responsible for ensuring that the base resin specifications are within the ranges specified in the original application and any subsequent amendments of this Executive Order.
3. The application rate of the base resins used for the manufacture of ULEF composite wood products LATVIJAS FINIERIS must be within the ranges specified in Section C of Confidential Attachment A of this Executive Order.
4. Other chemical components of the base resins (such as sizing wax and release wax) used for the manufacture of ULEF HWPW-VC products by LATVIJAS FINIERIS must be within the ranges specified in Section D of Confidential Attachment A of this Executive Order.
5. The allowable operating parameters for press temperature and press time for the base resins used to manufacture the ULEF HWPW-VC products by LATVIJAS FINIERIS must be within the ranges specified in Section E of Confidential Attachment A of this Executive Order.
6. Only the composite wood products with the product names listed in Section F of Confidential Attachment A of this Executive Order are authorized under this Executive Order.

BE IT FURTHER ORDERED that LATVIJAS FINIERIS may change the resin system supplier listed in Section A of Confidential Attachment A of this Executive Order if the new resin supplier supplies the same resin type listed in Confidential Attachment A of this Executive Order, at least two primary or secondary method tests are performed on random samples selected by their CARB-approved TPC, and the Chief of the Risk Reduction Branch within the Transportation and Toxics Division is notified before LATVIJAS FINIERIS uses the resin for production.

BE IT FURTHER ORDERED that LATVIJAS FINIERIS must conduct confirmatory testing for a new resin system by demonstrating that the results of two primary or secondary method tests for the new resin system are no higher than 0.04 ppm for the ULEF products authorized under this Executive Order.

BE IT FURTHER ORDERED that the Executive Officer may review and, for good cause, modify or revoke this Executive Order as provided in section 93120.3(d)(5) of the ATCM. The Executive Officer shall not modify or revoke this Executive Order without affording the applicant the opportunity for a hearing in accordance with the procedures specified in title 17, California Code of Regulations, section 60055.1 et seq.

BE IT FURTHER ORDERED that this Executive Order shall have a duration of two years from the date this Executive Order is signed; the applicant may apply for re-approval as provided in section 93120.3(d)(5) of the ATCM.

BE IT FURTHER ORDERED that the applicant must maintain records in electronic or hard copy form for two years, for review by CARB upon request, as specified in section 93120.3(g) of the ATCM.

BE IT FURTHER ORDERED that the applicant must notify the Executive Officer in writing within 30 days if there is any change in their product manufacturing parameters or base resin manufacturer(s) or supplier(s) that does not comply with any of the requirements, terms or conditions specified in the ATCM or this Executive Order.

Executed at Sacramento, California this 26th day of February, 2020.

A handwritten signature in blue ink that reads "Richard Boyd". The signature is written in a cursive style with a horizontal line underneath the name.

Richard Boyd, Chief
Risk Reduction Branch
Transportation and Toxics Division

C E R T I F I C A T E

TSCA-CARB-2020-07-23-01

In accordance with the provisions of Third Party Certification required within US EPA TSCA Title VI – 40 CFR Part 770 – Formaldehyde Emission Standards for Composite Wood Products and the Final Regulation Order of “Airborne Toxic Control Measure (ATCM) to Reduce Formaldehyde Emission from Composite Wood Products” - § 93120 - 93120.12, title 17, California Code of Regulations – by the California Air Resources Board (CARB),

Entwicklungs- und Prüflabor Holztechnologie GmbH (EPH)

Zellescher Weg 24, D-01217 Dresden, Germany

as CARB-approved and EPA- approved **TPC-10** has

- (A) verified that the panel producer’s quality assurance and quality control procedures are complying with the requirements
- (B) verified the panel producer’s quality control test results compared with test results from ASTM E1333 or ASTM D6007, by having the TPC laboratory conduct quarterly tests
- (C) established quality control limit(s) (QCLs) for each product type
- (D) established a process that will be used to determine if products are exceeding the applicable QCL
- (E) provided the CARB or EPA TPC number to the panel producer for labeling and recordkeeping; and
- (F) inspected the panel producer, its products and records at least quarterly

according to Third Party Surveillance and Certification Contract WBP-2020-06-01-01
and certifies that the product

Plywood (HWPW-VC), lignin-phenol-formaldehyde (LPF), unfaced in the nominal thickness range of 4 mm - 50 mm

manufactured by

Latvijas Finieris, plant Furniers

at its manufacturing site

Bauskas iela 59

LV-1004 Riga, Latvia

complies with the applicable emission standards set forth
in TSCA Title VI – § 770.10 and CARB Phase 2 according to table 1 of § 93129.2.

This evaluation is based on **Supervision Report No. 2120064/2020/I1/PW-1 dated 23 July 2020.**

This certificate was issued on 23 July 2020 and is valid as long as the continuous supervision is carried out by EPH, unless the requirements and conditions under which this certificate has been issued will have changed considerably.

23 July 2020

Date



Dr.-Ing. Rico Emmler
Certification Body

EPA TSCA Title VI - Certificate

ULEF exempt WKI-1244

Expiry date: 13 February 2021

By order of the US **E**nvironmental **P**rotection **A**gency (EPA), according to the executive order 40 CFR Part 770:
 "Formaldehyde Emission Standards for Composite Wood Products", TSCA Title VI,
 relating to EPA approval of third party certifiers under Subpart B- EPA TSCA Title VI, §770.7

Fraunhofer Institute for Wood Research

Wilhelm-Klauditz-Institut WKI
 Bienroder Weg 54E, 38108 Braunschweig, Germany

as EPA TSCA Title VI recognized TPC- 4

has assessed, that the below mentioned product fulfils the requirements according to EPA TSCA Title VI, §770.18 (d) for a two-year exemption from testing requirements in § 770.20 and certification requirements in §§ 770.15 and 770.40 (b) for composite wood products as for the product a valid exemption from CARB is available, which is also valid under TSCA Title VI according to §770.18 (e).

The product

Birch Plywood Riga Ply EXT

HWPW-VC (plywood), birch, phenol-formaldehyde (PF), unfaced
 in the thickness range: 6.5 mm ≤ 50 mm

is manufactured at:

**A/S Latvijas Finieris
 mill "Verems"
 Lejas Ancupani
 4604 Veremu parish
 Latvia**

A supervision contract with no. 1244 between Fraunhofer Institute for Wood Research WKI is available. This certificate confirms the validity of CARB Executive Order N-19-345A, unless the requirements and conditions under which this certificate has been issued will have changed considerably acc. to TSCA Title VI §770.18(h)(i) and as long as the requirements of CARB remain as stringent as EPA's requirements. CARB Executive Order N-19-345A was uploaded in the EPA CDX database with assigned Unique Form ID TPC-RTA-65554. For more information about EPA's program, please visit EPA at: <https://www.epa.gov/formaldehyde/formaldehyde-emission-standards-composite-wood-products>.



Dipl.-Ing. Harald Schwab
 Head of the Third Party Certifier
 Braunschweig, May 25, 2020



TSCA
 Title VI



Executive Board of the Fraunhofer-Gesellschaft
 Prof. Dr.-Ing. habil. Prof. E.h. Dr.-Ing. E.h. mult.
 Dr.h.c. mult. Reimund Neugebauer, Präsident
 Prof. Dr. rer. publ. ass. iur. Alexander Kurz
 Dipl.-Kfm. Andreas Meuer
 Prof. Dr. rer. nat. habil. Ralf B. Wehrspohn

Fraunhofer-Gesellschaft zur Förderung
 der angewandten Forschung e. V., München

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State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER N-19-345A

Relating to CARB-Approval for an Exemption from Third-Party Certification for
Composite Wood Product Manufacturers that use
Ultra-low-emitting Formaldehyde Resins under
section 93120.3, title 17, California Code of Regulations

Latvijas Finieris AS, mill Verems

WHEREAS, the California Air Resources Board (CARB) has adopted the "Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Products" (ATCM; title 17, California Code of Regulations, sections 93120-93120.12), which establishes formaldehyde emission standards for composite wood products;

WHEREAS, section 93120.1(a)(42) of the ATCM defines "ultra-low-emitting formaldehyde" (ULEF) based resins to mean resins formulated such that average formaldehyde emissions are consistently below the Phase 2 emission standards in section 93120.2, for making hardwood plywood (HWPW), particleboard (PB), medium density fiberboard (MDF), or thin medium density fiberboard (tMDF);

WHEREAS, section 93120.3(d) of the ATCM allows manufacturers of HWPW, PB, MDF, and tMDF who use ULEF-based resins to apply for written approval from the Executive Officer for an exemption from the requirements of section 93120.3(b) of the ATCM;

WHEREAS, section 93120.3(d) of the ATCM allows manufacturers of HWPW, PB, MDF, and tMDF who use ULEF-based resins to submit an application for an exemption from the requirements of section 93120.3(b) of the ATCM to the Executive Officer, which includes: (A) a statement indicating which product types will be manufactured using ULEF-based resins for sale in California; (B) the chemical formulation of the candidate ULEF-based resins, including base resins, scavenger resins and additives, catalysts, and other additives as used in manufacturing; (C) the name of their CARB-approved third-party certifier (TPC); and (D) data on the emissions performance of the candidate ULEF-based resins;

WHEREAS, the data on emissions performance of the candidate ULEF-based resin required in section 93120.3(d) of the ATCM must be obtained by working with a CARB-approved TPC, and must include six months of routine quality control testing data, the correlation of the routine quality control testing data to primary or secondary testing data, and the results of two primary or secondary method tests, as required in Appendix 2 of section 93120.12 of the ATCM;

WHEREAS, section 93120.3(d)(2) of the ATCM requires that 90 percent of the six months of routine quality control testing data and the results of two primary or secondary method tests must be shown to be no higher than 0.04 parts per million (ppm), and that all data must be shown to be no higher than 0.05 ppm for HWPW and 0.06 ppm for PB, MDF, and tMDF;

WHEREAS, section 93120.3(d)(5) of the ATCM provides that the Executive Officer shall approve the application and issue an Executive Order if the evidence submitted by the applicant is sufficient to demonstrate that the applicant has met the requirements specified in sections 93120.3(d)(1) and 93120.3(d)(2) of the ATCM;

WHEREAS, Latvijas Finieris AS, mill Verems or the applicant submitted an original application that we received on January 31, 2019;

WHEREAS, the application from Latvijas Finieris AS, mill Verems specifies the range in product manufacturing parameters, applicable post-press product treatments, base resin trade name(s) and base resin manufacturer(s)/supplier(s), and other ingredients added to the base resin by the applicant to manufacture ULEF hardwood plywood-veneer core (HWPW-VC) products;

WHEREAS, CARB was provided base resin/adhesive information specifying the base resin polymer type, and minimum and maximum values of all major and any minor ingredients in the base resin on a percent weight of solids basis;

WHEREAS, the base resin/adhesive supplier, commercial name and resin type are set forth in Confidential Attachment A;

WHEREAS, section 93120.3(d) of the ATCM allows ULEF product manufacturers to apply for re-approval by CARB by submitting an updated application;

WHEREAS, Latvijas Finieris AS, mill Verems submitted the original and the updated applications for approval to CARB as follows:

| Executive Order # | Received Date | Signed Date | Actions |
|--------------------------|----------------------|--------------------|----------------|
| N-19-345 | 01/31/2019 | 02/13/2019 | Original |

WHEREAS, Latvijas Finieris AS, mill Verems submitted a request for approval to change the resin powder extender, supplier, and consumption limits of powder extender and water on their current Executive Order on April 27, 2020;

WHEREAS, the request for approval to change the powder extender type, supplier, and consumption limits of the powder extender and water from Latvijas Finieris AS, mill Verems was deemed complete on April 27, 2020;

WHEREAS, the Executive Officer finds that the completed, updated application demonstrated the ULEF manufacturer's ability to continue to comply with section 93120.3(d); and

WHEREAS, the Executive Officer approved Latvijas Finieris AS, mill Verems' request to change the powder extender type, supplier, and consumption limits of the powder extender and water and it is appropriate that Executive Order N-19-345 be superseded by this Executive Order N-19-345A.

NOW, THEREFORE, IT IS ORDERED that Latvijas Finieris AS, mill Verems is hereby approved as a ULEF manufacturer of HWPW-VC that is exempt from the requirements of section 93120.3(b) and Appendix 2 of section 93120.12 of the ATCM, provided that the following terms and conditions are met for products sold, supplied, offered for sale, or manufactured for sale in California:

1. Latvijas Finieris AS, mill Verems must use the commercial resins listed and suppliers listed in Section A of Confidential Attachment A of this Executive Order for the manufacture of ULEF HWPW-VC products.
2. As specified in Section B of Confidential Attachment A, Latvijas Finieris AS, mill Verems is legally responsible for ensuring that the base resin specifications are within the ranges specified in the original application and any subsequent amendments of this Executive Order.
3. The application rate of the base resins used for the manufacture of ULEF composite wood products by Latvijas Finieris AS, mill Verems must be within the ranges specified in Section C of Confidential Attachment A of this Executive Order.
4. Other chemical components of the base resins (such as sizing wax and release wax) used for the manufacture of ULEF HWPW-VC products by Latvijas Finieris AS, mill Verems must be within the ranges specified in Section D of Confidential Attachment A of this Executive Order.
5. The allowable operating parameters for press temperature and press time for the base resins used to manufacture the ULEF HWPW-VC products by Latvijas Finieris AS, mill Verems must be within the ranges specified in Section E of Confidential Attachment A of this Executive Order.
6. Only the composite wood products with the product names listed in Section F of Confidential Attachment A of this Executive Order are authorized under this Executive Order.

BE IT FURTHER ORDERED that this Executive Order N-19-345A supersedes Executive Order N-19-345, which was signed on February 13, 2019.

BE IT FURTHER ORDERED that Latvijas Finieris AS, mill Verems may change the resin system supplier listed in Section A of Confidential Attachment A of this Executive Order if the new resin supplier supplies the same resin type listed in Confidential Attachment A of this Executive Order, at least two primary or secondary method tests are performed on random samples selected by their CARB-approved TPC, and the Chief of the Risk Reduction Branch within the Transportation and Toxics Division is notified before Latvijas Finieris AS, mill Verems uses the resin for production.

BE IT FURTHER ORDERED that Latvijas Finieris AS, mill Verems must conduct confirmatory testing for a new resin system by demonstrating that the results of two primary or secondary method tests for the new resin system are no higher than 0.04 ppm for the ULEF products authorized under this Executive Order.

BE IT FURTHER ORDERED that the Executive Officer may review and, for good cause, modify or revoke this Executive Order as provided in section 93120.3(d)(5) of the ATCM. The Executive Officer shall not modify or revoke this Executive Order without affording the applicant the opportunity for a hearing in accordance with the procedures specified in title 17, California Code of Regulations, section 60055.1 et seq.

BE IT FURTHER ORDERED that the expiration date of this Executive Order is two years from the date of issuance of Executive Order N-19-345 (i.e., February 13, 2019); the applicant may apply for re-approval as provided in section 93120.3(d)(5) of the ATCM.

BE IT FURTHER ORDERED that the applicant must maintain records in electronic or hard copy form for two years, for review by CARB upon request, as specified in section 93120.3(g) of the ATCM.

BE IT FURTHER ORDERED that the applicant must notify the Executive Officer in writing within 30 days if there is any change in their product manufacturing parameters or base resin manufacturer(s) or supplier(s) that does not comply with any of the requirements, terms or conditions specified in the ATCM or this Executive Order.

Executed at Sacramento, California this 18th day of May, 2020.



Richard Boyd, Chief
Risk Reduction Branch
Transportation and Toxics Division

ATTESTATION OF CONFORMITY

EPA TSCA Title VI – Attestation ULEF – 2020-03-09-01

Expiry date: 4 March 2022

By order of the US Environmental Protection Agency (EPA), according to the Toxic Substances Control Act Title VI, under section 40 CFR Part 770 - Formaldehyde Emission Standards for Composite Wood Products, relating to EPA approval of third party certifiers under Subpart B - EPA TSCA Title VI, §770.7

Entwicklungs- und Prüflabor Holztechnologie GmbH (EPH)
Zellescher Weg 24, D-01217 Dresden, Germany

as EPA TSCA Title VI recognized **TPC-10**

has assessed, that the below mentioned product fulfils the requirements according to EPA TSCA Title VI, §770.18(d) for a two-year exemption from testing requirements in §770.20 and certification requirements in §§ 770.15 and 770.40(b) for composite wood products as for the product a valid exemption from CARB is available, which is also valid under TSCA Title VI according to §770.18(e).

**Birch Plywood (HWPW-VC), PF-glued, unfaced
in the nominal thickness range of 4 mm - ≤ 50 mm**

manufactured by
LATVIJAS FINIERIS AS, mill Kohila Vineer OÜ

at its manufacturing site
**Jõe tn. 24, Kohila
79808 Raplamaa, Estonia**

A supervision contract with no. TSCA-CARB-2019-12-03-01/2119003 between EPH and the manufacturer is available. The attestation confirms the validity of CARB Executive Order N-20-437, unless the requirements and conditions under which this attestation has been issued will have changed considerably acc. to TSCA Title VI – §770.18(h)(i) and as long as the requirements of CARB remain as stringent as EPA's requirements. Latvijas Finieris AS, mill Kohila Vineer OÜ's CARB Executive Order N-20-437 was uploaded in the EPA CDX database with assigned Unique Form ID TPC-RTA-194688.

9 March 2020

Date



Dr.-Ing. Rico Emmeler
Certification Body

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER N-20-437

Relating to CARB approval for an Exemption from Third-Party Certification for
Composite Wood Product Manufacturers that use
Ultra-low-emitting Formaldehyde Resins under
section 93120.3, title 17, California Code of Regulations

LATVIJAS FINIERIS AS, mill KOHILA VINEER OÜ

WHEREAS, the California Air Resources Board (CARB) has adopted the "Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Products" (the ATCM; title 17, California Code of Regulations, sections 93120-93120.12), which establishes formaldehyde emission standards for composite wood products;

WHEREAS, section 93120.1(a)(42) of the ATCM defines "ultra-low-emitting formaldehyde" (ULEF) based resins to mean resins formulated such that average formaldehyde emissions are consistently below the Phase 2 emission standards in section 93120.2, for making hardwood plywood (HWPW), particleboard (PB), medium density fiberboard (MDF), or thin medium density fiberboard (tMDF);

WHEREAS, section 93120.3(d) of the ATCM allows manufacturers of HWPW, PB, MDF, and tMDF who use ULEF-based resins to apply for written approval from the Executive Officer for an exemption from the requirements of section 93120.3(b) of the ATCM;

WHEREAS, section 93120.3(d) of the ATCM allows manufacturers of HWPW, PB, MDF, and tMDF who use ULEF-based resins to submit an application for an exemption from the requirements of section 93120.3(b) of the ATCM to the Executive Officer, which includes: (A) a statement indicating which product types will be manufactured using ULEF-based resins for sale in California; (B) the chemical formulation of the candidate ULEF-based resins, including base resins, scavenger resins and additives, catalysts, and other additives as used in manufacturing; (C) the name of their CARB-approved third-party certifier (TPC); and (D) data on the emissions performance of the candidate ULEF-based resins;

WHEREAS, the data on emissions performance of the candidate ULEF-based resin required in section 93120.3(d) of the ATCM must be obtained by working with a CARB-approved TPC, and must include six months of routine quality control testing data, the correlation of the routine quality control testing data to primary or secondary testing data, and the results of two primary or secondary method tests, as required in Appendix 2 of section 93120.12 of the ATCM;

WHEREAS, section 93120.3(d)(2) of the ATCM requires that 90 percent of the six months of routine quality control testing data and the results of two primary or secondary method tests must be shown to be no higher than 0.04 parts per million (ppm), and that all data must be shown to be no higher than 0.05 ppm for HWPW and 0.06 ppm for PB, MDF, and tMDF;

WHEREAS, section 93120.3(d)(5) of the ATCM provides that the Executive Officer shall approve the application and issue an Executive Order if the evidence submitted by the applicant is sufficient to demonstrate that the applicant has met the requirements specified in sections 93120.3(d)(1) and 93120.3(d)(2) of the ATCM;

WHEREAS, LATVIJAS FINIERIS AS, mill KOHILA VINEER OÜ (LATVIJAS FINIERIS or the applicant) submitted an original application that we received on January 24, 2020;

WHEREAS, the application from LATVIJAS FINIERIS was deemed complete on January 25, 2020;

WHEREAS, the application from LATVIJAS FINIERIS specifies the range in product manufacturing parameters, applicable post-press product treatments, base resin trade name(s) and base resin manufacturer(s)/supplier(s), and other ingredients added to the base resin by the applicant to manufacture ULEF hardwood plywood-veneer core (HWPW-VC);

WHEREAS, CARB was provided base resin/adhesive information specifying the base resin polymer type, and minimum and maximum values of all major and any minor ingredients in the base resin on a percent weight of solids basis;

WHEREAS, the base resin/adhesive supplier, commercial name and resin type are set forth in Confidential Attachment A;

WHEREAS, section 93120.3(d)(5) of the ATCM provides that the Executive Officer shall approve the application and issue an Executive Order if the evidence submitted by the applicant is sufficient to demonstrate that the applicant has met the requirements specified in section 93120.3(d)(2) of the ATCM; and

WHEREAS, the Executive Officer finds that the completed application demonstrated the ULEF manufacturer's ability to comply with section 93120.3(d) of the ATCM.

NOW, THEREFORE, IT IS ORDERED that LATVIJAS FINIERIS is hereby approved as a ULEF manufacturer of HWPW-VC that is exempt from the requirements of section 93120.3(b) and Appendix 2 of section 93120.12 of the ATCM, provided that the following terms and conditions are met for products sold, supplied, offered for sale, or manufactured for sale in California:

1. LATVIJAS FINIERIS must use the commercial resins listed and suppliers listed in Section A of Confidential Attachment A of this Executive Order for the manufacture of ULEF HWPW-VC products.
2. As specified in Section B of Confidential Attachment A, LATVIJAS FINIERIS is legally responsible for ensuring that the base resin specifications are within the ranges specified in the original application and any subsequent amendments of this Executive Order.
3. The application rate of the base resins used for the manufacture of ULEF composite wood products LATVIJAS FINIERIS must be within the ranges specified in Section C of Confidential Attachment A of this Executive Order.
4. Other chemical components of the base resins (such as sizing wax and release wax) used for the manufacture of ULEF HWPW-VC products by LATVIJAS FINIERIS must be within the ranges specified in Section D of Confidential Attachment A of this Executive Order.
5. The allowable operating parameters for press temperature and press time for the base resins used to manufacture the ULEF HWPW-VC products by LATVIJAS FINIERIS must be within the ranges specified in Section E of Confidential Attachment A of this Executive Order.
6. Only the composite wood products with the product names listed in Section F of Confidential Attachment A of this Executive Order are authorized under this Executive Order.

BE IT FURTHER ORDERED that LATVIJAS FINIERIS may change the resin system supplier listed in Section A of Confidential Attachment A of this Executive Order if the new resin supplier supplies the same resin type listed in Confidential Attachment A of this Executive Order, at least two primary or secondary method tests are performed on random samples selected by their CARB-approved TPC, and the Chief of the Risk Reduction Branch within the Transportation and Toxics Division is notified before LATVIJAS FINIERIS uses the resin for production.

BE IT FURTHER ORDERED that LATVIJAS FINIERIS must conduct confirmatory testing for a new resin system by demonstrating that the results of two primary or secondary method tests for the new resin system are no higher than 0.04 ppm for the ULEF products authorized under this Executive Order.

BE IT FURTHER ORDERED that the Executive Officer may review and, for good cause, modify or revoke this Executive Order as provided in section 93120.3(d)(5) of the ATCM. The Executive Officer shall not modify or revoke this Executive Order without affording the applicant the opportunity for a hearing in accordance with the procedures specified in title 17, California Code of Regulations, section 60055.1 et seq.

BE IT FURTHER ORDERED that this Executive Order shall have a duration of two years from the date this Executive Order is signed; the applicant may apply for re-approval as provided in section 93120.3(d)(5) of the ATCM.

BE IT FURTHER ORDERED that the applicant must maintain records in electronic or hard copy form for two years, for review by CARB upon request, as specified in section 93120.3(g) of the ATCM.

BE IT FURTHER ORDERED that the applicant must notify the Executive Officer in writing within 30 days if there is any change in their product manufacturing parameters or base resin manufacturer(s) or supplier(s) that does not comply with any of the requirements, terms or conditions specified in the ATCM or this Executive Order.

Executed at Sacramento, California this 4th day of March, 2020.

A handwritten signature in blue ink that reads "Richard Boyd". The signature is written in a cursive style and is positioned above the printed name and title.

Richard Boyd, Chief
Risk Reduction Branch
Transportation and Toxics Division