

TEST CERTIFICATE

BT-23-09-20-01

- Material:** Thermally treated Western Hemlock (*Tsuga heterophylla*);
open process type, 220 °C, HT step: 3.5 h, kiln: MAHILD
- Client:** Cedarland Forest Products
14189 256th St., V4R 1C9 Maple Ridge, Canada
- Order:** Thermal modification of Hemlock, testing of durability against wood-destroying
basidiomycete fungi and assignment of durability classes (DC) acc. to EN 113-2/EN 350
- Test report:** 2221069, dated 06/08/2023
- Test details:** Material was tested after accelerated water leaching acc. to EN 84, using three test
fungi (*Coniophora puteana*, *Rhodonía placenta* and *Trametes versicolor*).
- Test results:** The thermally treated Western Hemlock was assigned to **DC 1-2 "very durable to
durable"** due to a median dry mass loss of 4.7 % with the critical fungus *R. placenta*
and the variation of individual values.

In comparison, untreated Western Hemlock heartwood is generally assigned to DC 4
"slightly durable" and untreated Western Hemlock sapwood to DC 5 "not durable" acc.
to EN 350 (Table B.1 in Annex B).

Dresden, 20 September 2023

