



# T.S. Laurent Forest Preservation, LLC

## Eastern Hemlock - Log Export

*“New England’s Softwood - Toughened with Time – Hard as Nails”*

- Hemlock (*Tsuga canadensis*), commonly called eastern hemlock, is not often recognized for its merchantable potential.
- Attributes of hemlock include its commercial use as generally a low-grade species, but one with durable, long-lasting with environmentally resistance structure.
- Markets for hemlock include, saw logs, round-wood, stem wood and wood chips for both paper and biomass, and throughout China and the European, the use of cross-laminated timber (CLT) is on the rise to lower the construction industry carbon foot print by utilizing timber as a construction material to replace steel and concrete.
- Eastern hemlock wood has a light brown to camel coloring when freshly cut hemlock has a vinegary odor until it seasons and becomes neutral.
- Fresh cut hemlock moisture content is about 45% to 50% and runs about 50 pounds per cubic foot t harvest but, dries naturally and quickly and conforms to roughly 28 pounds per cubic foot at 12% to 15% moisture content.
- Hemlock has comparatively light deflection strength, with significant compressive strength and when used as a structural building timber can be sustainably durable.
- Hemlock timbers can be used in a wide variety of projects from fencing to decking; from heavy timber framing to lagging and shoring projects; from highway guard rails to signposts to heavy bridge timbers to and everything in between where its inherent strength over spruce or pine can be relied upon.
- Hemlock also takes pressure-treatment very well for outdoor projects that rely on durability as well as strength.
- Based on the loading capacity of the barge intended for use, we can load up to seventy-five (75) containers per barge per trip. The 75 containers may be comprised of between 3 to 5 individual buyers to lower the buyer risk and commitment during these tough times in the market due to the COVID-19 restrictions.
- The containers are forty (40) foot standard height boxes each holding approximately 26 metric tonnes per container. If logs are sold in MBF each container can hold roughly 5 MBF International Rule (or about 4.5 MBF Doyle Rule).
- Shipped in 40' Shipping Container. Inside dimension of containers = 39' 5.25" x 7' 6" x 7' 6"
- Maximum weight to be shipped as carg per container = 26 MT
- Log Lengths for Containerization: Lengths are either 3.8 M plus 4" free trim or 5.8 M plus 4" free trim.
- Example container loading: Either A.) 3 logs of 3.8 M + 4" free trim  $\approx (3 \times 12' 9") \approx 39'$  or B.) 2 logs of 5.8 M + 4" free trim  $\approx (2 \times 19' 5") \approx 39'$

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- All logs to be debarked to <5% on any log but < 2% total. Hemlock to be certified nematode tested.
- All logs to be inspected and approved with a Phytosanitation Certificate PC

### **LOG SPECIFICATIONS**

In this Agreement specifications and physical characteristics of the logs are defined as follows:

- Species: Softwood (coniferous) Hemlock and Spruce-Fir logs.  
Grades: Quality # 1 – 4 SC with SED  $\geq 11'' \approx 27.9$  (cm); and  
Quality # 2 – 2 SC and better with SED  $\geq 10'' \approx 25.4$  (cm)  
Mixture: Up to 80% of logs shall be Hemlock, remainder to be Spruce-Fir.  
Lengths: a.) 3.8 (m)  $\approx 12.5'$  plus a minimum free end trim of 10 (cm)  $\approx 4''$ ; and  
b.) 5.8 (m)  $\approx 19'$  plus a minimum free end trim of 10 (cm)  $\approx 4''$   
Bark: Logs to be debarked to a maximum of  $\leq 2\%$  bark per container or  $\leq 5\%$  for any individual one log within the container.  
Phyto: All logs shall be inspected by USDA-APHIS and shall be shipped with an issued Phytosanitary Certificate for export compliance.  
Testing: All logs shall be inspected by laboratory analysis to be absent any infestation by nematodes and shall be shipped with an issued Laboratory Analysis Certificate for export compliance.

### **DOCUMENTATION REQUIRED FOR PAYMENT**

All logs shall be shipped FOB-Barge and shall include the following documentation for export purposes:

- 1.) a signed commercial invoice in three (3) originals and three (3) copies indicating LC number and contract number;
- 2.) a signed packing list in three (3) originals and three (3) copies, with a per container, log list summary of log # with lengths and diameters per log and total measure in MBF, or all of the measures combined on the packing list, combined totals of all containers if shipped in multiple container volume;
- 3.) a full set of clean shipped on board Ocean Bill of Laden (BOL) marked ‘Freight Prepaid’;
- 4.) a Certificate of Origination one (1) copy Issued by Chamber of Commerce or Similar Competent Authority or Agency;
- 5.) Phytosanitary Certificate, including PC designation and additional declaration of nematode testing and compliance, issued in one original and one copy, by USDA-APHIS or equal competent agency or authority; and
- 6.) If Buyer requests loading photos or additional loading details, the supplier shall either provide the same with the shipping documents or transmit the same directly to the Buyer as may be instructed.

**T.S. Laurent Forest  
Preservation LLC**

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