

Eligibility criteria for sawable logs from Mercer Holz GmbH

The eligibility criteria only specify the assortments/types of wood, qualities and lengths as contracted. With regard to the type of wood, the qualities and lengths / dimensions, the purchase contract is always representative.

I. IAS: Spruce (Picea Abies).

(Fir (Abies Alba))

B

- fresh, healthy, straight,
- single-string curvature: 1a-1b: ≤ 1.0 cm / m; 2a-3a: ≤ 1.0 cm / m; 3b +: ≤ 1.5 cm / m
- Diameter decline: 1a-1b: ≤ 1.0 cm / m; 2a-3a: ≤ 1.2 cm / m; 3b +: ≤ 1.7 cm / m
- normal, healthy branches/knots, no grown together branches (≤ 4 cm)
- Infestation with bark brooding beetles: freshly drilled in, no worm grooves, bark is still firm on the trunk, wood is not yet discolored

C

- fresh, healthy, straight
- small hard septic spots in the outer wooden mantle of the root inlets allowed (max. 15% of the diameter)
- single-string curvature: 1a-1b: ≤ 1.3 cm / m; 2a-3a: ≤ 2.0 cm / m; 3b +: ≤ 2.0 cm / m
- Diameter decline: 1a-1b: ≤ 1.5 cm / m; 2a-3a: ≤ 1.7 cm / m; 3b +: ≤ 2.6 cm / m
- healthy branches, no grown together branches ≤ 8 cm; rotten branches ≤ 4 cm, bumps
- incipient superficial discoloration with intact bark permitted
- core cracks $\leq \frac{1}{2}$ diameter

KH

- infestation with bark brooding beetles, fresh, incipient superficial staining (blue stain)
- Worm grooves visible, largely intact bark
- no wood-destroying harmful insects (longhorn beetle / horntail / lineatus / etc .)
- Other features such as quality CV

D

- all wood which does not meet the above mentioned requirements, but is 100% sawable, as well as axe- and nail-resistant
- Single-string curvature: 1a-1b: ≤ 1.5 cm / m; 2a-3a: ≤ 2.5 cm / m; 3b +: ≤ 3.0 cm / m
- Diameter decline: unlimited
- core cracks / dry cracks, $> \frac{1}{2}$ diameter
- no visible fiber fractures and cracks
- Rust stripes, lineatus infestation

FH (non-sawable wood)

- wood that is below the required minimum length, minimum top diameter, as well as different tree species
- deep cracks in the wood body, soft rotten wood
- infestation with wood-destroying insects (longhorn beetle / horntail etc.)
- uneven curvature, extreme deformity, heavily branched top pieces

FE (wood containing iron)

- metalliferous, contaminated wood

OS (overstrength)

- wood that exceeds the max. trunk and / or max. top diameter

Minimum top diameter: 12 cm without bark
Max. trunk diameter: 55 cm without bark

Lengths: 5.00 m + 0.1 m oversize, preferred length
4.00 m + 0.1 m oversize, (accompanying length)
The minimum oversize in length is 0.1% of the order length.



II. LAS: Pine (*Pinus sylvestris*) /
(Larch (*Larix ssp.*) / Douglas fir (*Pseudotsuga menziesii*))

B

- fresh, healthy, straight,
- single-stringed curvature: 1a-1b: ≤ 1.0 cm / m; 2a-3a: ≤ 1.0 cm / m; 3b +: ≤ 1.5 cm / m
- Diameter decline: 1a-1b: ≤ 0.8 cm / m; 2a-3a: ≤ 1.1 cm / m; 3b +: ≤ 1.6 cm / m
- normal, healthy knots, no grown together branches (≤ 5 cm),
- slight mold growth acceptable

C

- fresh, healthy, straight
- small hard septic spots in the outer wooden mantle of the root inlets allowed (max. 15% of the diameter)
- Single-stringed curvature: 1a-1b: ≤ 1.3 cm / m; 2a-3a: ≤ 2.0 cm / m; 3b +: ≤ 2.0 cm / m
- Diameter decline: 1a-1b: ≤ 1.1 cm / m; 2a-3a: ≤ 1.5 cm / m; 3b +: ≤ 2.3 cm / m
- healthy knots, no grown together branches ≤ 8 cm; rotten branches ≤ 5 cm, bumps
- beginning surface discoloration acceptable
- Core cracks $\leq \frac{1}{2}$ diameter

D

- all wood does not meet the above mentioned requirements, but is 100% sawable, as well as axe- and nail-resistant
- Single-stringed curvature: 1a-1b: ≤ 1.5 cm / m ; 2a-3a: ≤ 2.5 cm / m ; 3b +: ≤ 3.0 cm / m
- Diameter decline: unlimited
- core cracks / dry cracks, $> \frac{1}{2}$ diameter
- no visible fiber cracks and breaks
- Infestation with bark brooding beetles, wood grooves can be detected

FH (non-sawable wood)

- wood that is below the required minimum length, minimum top diameter, as well as different tree species
- deep cracks in the wood body, soft rotten wood
- infestation with wood-destroying insects (longhorn beetle / horntail etc.)
- uneven curvature, extreme deformity, heavily branched top pieces

FE (wood containing iron)

- metalliferous, contaminated wood

ÜS (overstrength)

- wood that exceeds the max. trunk and / or max. top diameter

Minimum top diameter: 13 cm without bark

Max. trunk diameter: 55 cm without bark

Lengths: **5.00 m + 0.1 m Oversize, preferred length**
4.00 m + 0.1 m oversize (only after consultation)
The minimum oversize in length is 0.1% of the order length.

III. Miscellaneous

Deviant tree species

Deviant tree species are all tree species that are not explicitly named in the sales contract under 12. as LAS assortments.

Deviant order lengths

Deviant order lengths are all lengths that are not explicitly mentioned as lengths in the sales contract under 12.

Status: March 18, 2021

