

## Spruce pulpwood

### Designation

<b>Product ID:</b>	
<b>Description:</b>	Spruce pulpwood is long and short wood of the spruce ( <i>Picea abies</i> ) and fir ( <i>Abies alba</i> ) species. It is debarked, chipped, and used for producing cellulose.

### Parameter

Item	Unit	Limit
Wood condition		Healthy, practically no red marking (max. 10 % of shipment is tolerated)
		Cut with a saw at both ends
		Properly delimbed (no limb stubs)
		Practically straight
		No Y-branches
		Free of metals, stones, and plastic marks that cannot boil off
Types of wood		<ul style="list-style-type: none"> <li>• Spruce</li> <li>• Fir</li> </ul>
Length—long wood	m	2–6
Length—short wood	m	1 m—possible only in exceptional cases with prior coordination
Minimum top size with bark	cm	10 ( max. 10 %, 8 cm and 9 cm included)

All lengths are purchased in "bone dry metric tons"

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Print date	2019-07-04	Validity	2018-10-09

## Tolerance and warping limits

In case of deviations from the quality and dimensions of conifer pulpwood as defined in the Lenzing specification, the following guidelines apply:

<b>Red marks</b>	Tolerated up to 10 % content; above 10 %, the proportional amount is deducted at €15.00 per AMM.
<b>Hard brown rot</b>	No tolerance limit. Proportional deduction is made of €15.00 per AMM. Above 80 % content, the shipment is rejected.
<b>Soft rot</b>	Deducted as scrap (ballast). Over 20 % content—shipment rejected.
<b>Shape deficiencies</b>	Y-branches, windfall, and limb stubs cause poor debarking, technical problems, and wood loss. Tolerance limit 5 %. At 6 % content—price discounted by 15,00 per AMM
<b>Thin wood</b>	Cannot be processed for technical reasons. Deducted as scrap (ballast). Over 20 % content—shipment rejected.
<b>Other woods</b>	This includes all wood species except spruce and fir. All other types of wood are sorted out, rejected, and freight is charged. Over 20 % content—shipment rejected.

## References for the above specification

Document ID	Title
ÖST HHU	Österreichische Holzhandelsusancen (Austrian Timber Trade Practices) dated 01/01/2007
FPHBA001	Wood acceptance guideline of the FHP (forest, pulp and paper) cooperative agreement dated January 2015
	"Industrial wood" brochure from the FHP co-op dated May 1992
	Technical requirements of Lenzing AG

## Release process

This document has been released digitally.

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