

Metsä CTO AKI

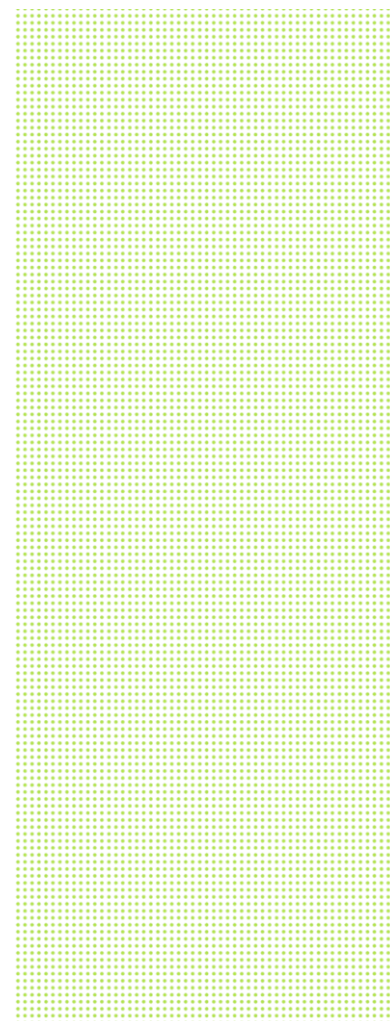
Crude Tall Oil

Raw material

Pine (pinus sylvestris)	Spruce (picea abies)	Birch (betula verrucosa)
30–60%	10–30%	30–40%

Typical product characteristics

Property	Value	Method
Acid number	Typical 152 mg KOH/l (variance 146–154)	SCAN-T 11:72
Resin acid	Typical 28% (variance 25–30)	SCAN-T 14:78
Water content	Typical 0.5% (variance 0.2–0.8)	ASTM D 890-98
Soap number	Typical 0.2 mg KOH/l (variance 0–0.6)	PCTM 13



Mill certificates

ISO 14001	Quality management system	✓
ISO 9001	Quality system	✓
PEFC™ COC	Chain of Custody	✓
FSC® COC	Chain of Custody, Controlled wood	✓
ISO 50001	Energy management system	✓
OHSAS 18001	Health and safety management system	✓
ISO 22000	Food safety management system	✓

Origin of raw material

Finland	99%
Russia	0.7%
Latvia	0.2%
PEFC	90%
FSC	4%