

Metsä CTO KMI

Crude Tall Oil

Raw material

Pine (pinus sylvestris)	Spruce (picea abies)	Birch (betula verrucosa)
50–70%	10–20%	20–35%

Typical product characteristics

Property	Value	Method
Acid number	Typical 151 mg KOH/l (variance 148–154)	SCAN-T 11:72
Resin acid	Typical 26% (variance 24–28)	SCAN-T 14:78
Water content	Typical 0.6% (variance 0.4–0.8)	ASTM D 890-98
Soap number	Typical 0.0 mg KOH/l	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%
Sweden	1%
PEFC	91%
FSC	7%