

# Botnia Nordic CTO AKI

Crude Tall Oil

Date: 30/05/2018

## Raw material

Pine (pinus silvestris)	30-60 %
Spruce (picea abies)	10-30 %
Birch (betula verrucosa)	30-40 %

## Typical product characteristics

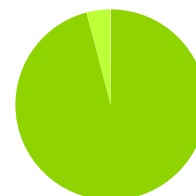
Property	Value	Method
Acid number	Typical 150 mg KOH/l (variance 142 -153)	SCAN-T 11:72
Resin acid	Typical 27 % (variance 26-28)	SCAN-T 14:78
Water content	Typical 0.5 % (variance 0-0.9)	ASTM D 890-98
Soap number	Typical 0.3 mg KOH/l (variance 0.0-0.6)	PCTM 13

### MILL CERTIFICATES

ISO 14001	Quality management system	✓
ISO 9001	Quality system	✓
PEFC™ COC	Chain of Custody, controlled sources	✓
FSC® COC/CW	Chain of Custody, controlled wood	✓
ISO 50001	Energy management system	✓
OHSAS 18001	Health and safety management system	✓
ISO 22000	Food safety management system	✓
Kosher certificate		✓

### ORIGIN OF RAW MATERIAL

Finland	94 %
Russia	4 %
Latvia	0.1 %
PEFC	93.6 %
FSC	0.7 %



■ Finland ■ Russia  
■ Latvia



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