



PINE CHEMICAL GROUP

## PRODUCT DATA SHEET- CRUDE TALL OIL (CTO)

**SPECIFICATION TU 13-0281078-119-89**

Properties	Standard				
	Softwood grade (SWG)		Mixed wood grade (MWG)		Hardwood grade (HWD)
	1 <sup>st</sup> grade	2 <sup>nd</sup> grade	1 <sup>st</sup> grade	2 <sup>nd</sup> grade	
Appearance	Oily product of brown or dark brown colour				
Acid number , mg KOH/g, min	145	135	130	120	96
Mass part of resin acids, %, min	40	35	30	20	not determined
Mass part of unsaponifiable matter, %, max	13	16	18	20	25
Mass part of lignin and mechanical impurities, %, max	1	1	2	not determined	not determined
Mass fraction of water, %, max	1	2	2	2	2
Mass part of fatty and resin acids and neutral substances, %, min	not determined	not determined	not determined	91	not determined

In all applications of **CTO** it is the sole responsibility of the buyer to respect and comply with any valid intellectual property rights of third parties.

