



SOME KEY FACTS

- Composed of various carbon-containing oxygenates (mainly phenolic compounds, but also acids, alcohols, aldehydes, esters, and ketones)
- Can use very low-grade biomass
- Great potential for producing transportation fuels via thermochemical upgrading
- Compared to bio-oil, bio-tar has lower acid value, water content and oxygen content
- Higher heating value and viscosity

Bio-Refining Technologies — Bio-Tar

What is Bio-Refining?

Bio-Refining technologies utilize a combination of pyrolysis, gasification, distillation and combustion processes to convert biomass into solids, liquids and gases. The technology produces products that can replace fossil-based fuels, chemicals and carbon materials. Bio-tar is obtained from fast pyrolysis of lignocellulosic biomass such as harvesting residues, building and construction waste, and others.