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## **NOMENCLATURE**

FT-IR	Fourier Transformed-Infra Red Spectroscopy
SEM	Scaning Electron microscope
ESO	Epoxidised soybean oil
NMR	Nuclear magnetic resonance spectroscopy
XRD	X ray diffraction Crystallography
TGA	Thermo gravimetric Analysis
PPM	Parts per million
OMMT	Organically modified montmorrilonite clay
НМТА	Hexamethylene tetramine
СТАВ	Cetyl trimethyl ammonium bromide