

Table 1. Acid Values and Hydroxyl values and OH functionality of CSO and FECSP

Sample	Acid value (AV) (mg KOH/g)	Hydroxyl Value (HV) (mg KOH/g)	Epoxide content	OH functionality	Inference
CSO	0.3798	2	-	-	Low AV and HV values indicate that CSO did not undergo any hydrolytic/free oxidation process and is in accordance with the reported literature ³⁵
FECSP	1.702	90	1.345	2.04	AV and HV of FECSP was found to be higher than that of CSO indicating that successful formation of hydroxyl groups onto the CSO ²² . With the help of epoxide content from the NMR data, OH functionality was found to be 2.04