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**LIST OF ABBREVIATIONS**

FTIR	-	Fourierr transform infrared
FESEM	-	Field emission scanning electron microscopy
TEM	-	Transmission electron microscopy
GC	-	Gas chromatography
XRD	-	X-ray diffraction
Wt%	-	Weight percent
R <sub>T</sub>	-	Retention time
FID	-	Flame ionization detector
IUPAC	-	International Union of Pure and Applied Chemistry
BET	-	Brunauer, Emmett and Teller
P/P <sub>O</sub>	-	Relative pressure; obtained by forming the ratio of the equilibrium Pressure and the vapor pressure P <sub>O</sub> of the adsorbate at the Temperature where the isotherm is measured



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