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Table 1.1: Different Biomass Used as Carbon Precursor Sources for CQD Synthesis

Table 3.1: The presence of C-N, C-H and C=C is consistent with FTIR data of the same sample. The resolution of the XPS system used for the measurement is 0.1 eV. Instrument make - Kratos Axis Ultra DLD.1486.4 eV Al k alpha line is used for measurement

Table 4.1: Comparison between all 0.2 v/v CQD (E160, E200, W160, W200) assisted AuNPs for different parameters (Surface Plasmon Band (SPB), Average TEM diameter, DLS size, zeta potential and polydispersity indices

Table 6.1: List of peptides used for observing peptide-GO conjugate formation through ionic interactions