

LIST OF SYMBOLS

D_1	Oxygen in incubated sample.
D_2	Oxygen in initial sample.
P	Decimal fraction of sample used.
d	Inter-planner spacing.
λ	Wavelength of X-ray.
n	Integer.
A	Amount of ferrous ammonium sulphate required for the blank.
B	Amount of ferrous ammonium sulphate required for the sample.
N	Normality.
V	Volume.
D	Particle size.
β	Full width at half maxima.
θ	Diffraction angle at maximum peak.
K	Scherrer constant.
$F(R_\alpha)$	Kubelka-Munk function.
R_α	Reflectance coefficient of the sample.
A	Absorbance of the corresponding samples.
E_g	Bandgap energy.
$h\nu$	Photon energy.
C_0	Initial concentration of dye.
C_f	Final concentration of dye.
C_{ad}	Concentration change due to adsorption.
C_b	Loss of dye in blank solution.
C	Concentration of the dye solution.
C_o	Initial concentration of the dye solution.
t	Time.
K_{app}	Apparent first-order rate constant.