

LIST OF SYMBOLS

AAS	: Atomic Absorption Spectrophotometer
PTCHA	: N-p-Chlorophenyl-3,4,5-trimethoxy-cinnamohydroxamic acid
PPBHA	: N-p-Chlorophenyl-p-chlorophenoxy-isobutyrohydroxamic acid
PBHA	: N-Phenylbenzohydroxamic acid
XO	: Xylenol orange
BG	: Brilliant green
λ_{\max}	: Wavelength of maximum absorbance
ϵ	: Molar absorptivity ($l \text{ mol}^{-1} \text{ cm}^{-1}$)
σ	: Standard deviation
HA	: Unionized form of ligand
A^-	: Ionized form of ligand
[]	: Symbol for molar concentration
pK_a	: Ionization constant
B	: pH meter reading in mixed aqueous media
$\bar{\nu}$: Wavenumber
γ_{\pm}	: Mean activity coefficient of a species in solution
nm	: Nanometer
TGA	: Thermogravimetric analysis
DTA	: Differential thermal analysis
δ	: Parts per million
M^+	: Molecular ion