PREFACE

The thesis consists of seven chapters. First chapter gives a brief introduction of the work done and the various compounds used in the present study along with a brief outline of various properties and parameters calculated. Second chapter includes review of the relevant studies followed by chapter three which includes the purification of chemicals and the details of the instruments and techniques used for the determination of various thermodynamic and thermo-acoustical parameters. In chapter four results of various measurements are presented and discussed in detail. Various models used for the calculation of experimental results are given in detail in chapter five. A brief summary of the whole work is outlined in chapter six. References in chapter seven are followed by appendix.