

CONTENTS

EXPLANATORY NOTES	1
SOLUTIONS USED AS REAGENTS	3
STANDARD SOLUTIONS (FOR CONTROLS, ETC.)	8
REAGENTS	11
REAGENT SOLUTIONS OR FORMULATIONS	555
ARSENIC TEST	563
ASSAYS FOR ALKALI AND ALKALI EARTH SALTS OF ORGANIC ACIDS	564
ASSAY FOR CHLORIDE AND THIOCYANATES	565
COPPER AND ZINC-DETERMINATION OF SMALL AMOUNTS IN IRON SALTS	565
FLAME PHOTOMETRY	566
NITRATE-DETERMINATION OF SMALL AMOUNTS IN INORGANIC REAGENTS	575
NITROGEN-DETERMINATION BY KJELDAHL METHOD	576
SODIUM-DETERMINATION OF SMALL AMOUNTS IN PRESENCE OF LARGE AMOUNTS OF OTHER ALKALI METALS BY THE URANIUM TRIPLE ACETATE METHOD	577
SULPHUR DETERMINATION BY THE PARR BOMB METHOD	578
WATER DETERMINATION BY THE IODINE (FISCHER) METHOD	579
BAROMETRIC PRESSURE CORRECTION AND BOILING TEMPERATURE, OR RANGE DETERMINATION	581
FREEZING POINT DETERMINATION	581
MELTING RANGE OR TEMPERATURE DETERMINATION	582
SPECIFIC ROTATION	582
pH DETERMINATION	583
BUFFER SOLUTIONS AND MIXTURES	584
INDICATORS FOR pH DETERMINATION	586
pH TABLE	589
VOLUMETRIC SOLUTIONS AND TABLES OF THEIR EQUIVALENTS	591
PRIMARY STANDARDS	591
PREPARATION AND STANDARDIZATION OF VOLUMETRIC SOLUTIONS	592
INDICATORS FOR VOLUMETRIC DETERMINATIONS	602
EQUIVALENTS OF VOLUMETRIC SOLUTIONS	603
TABLE OF GRAVIMETRIC AND OTHER CONVERSION FACTORS	627
INDEX	631