

## CONTENTS

1. CRYSTALLOGRAPHY OF SUCROSE	1
2. THE SOLUBILITY OF SUCROSE IN IMPURE SOLUTIONS	67
3. NUCLEATION IN SUPERSATURATED SUCROSE SOLUTIONS	113
4. KINETICS OF CRYSTALLIZATION GROWTH OF CRYSTALS	149
5. CHEMISTRY OF CRYSTALLIZATION	188
6. CONTROL METHODS AND EQUIPMENT IN SUGAR CRYSTALLIZATION	224
7. APPLICATION OF THE CONDUCTIVITY METHOD TO CONTROL THE CRYSTALLIZATION PROCESS AND SEEDING TECHNIQUE	250
8. DETERMINATION OF HEAT TRANSMISSION AS AN INDIRECT METHOD FOR THE DETERMINATION OF THE VISCOSITY AND SUPERSATURATION OF TECHNICAL SUGAR SOLUTIONS	304
9. TECHNOLOGY OF SUGAR CRYSTALLIZATION	318
10. EVAPORATION AND CIRCULATION IN THE CRYSTALLIZATION PROCESS	371
11. NATURAL AND MECHANICAL CIRCULATION IN VACUUM PANS WITH PERFORMANCE DATA AND TESTS	394
12. CRYSTALLIZATION OF MASSECUITES BY COOLING	453
13. CONDITIONING OF MASSECUITES IN CRYSTALLIZERS	485
14. MAXIMUM RECOVERY OF CRYSTALLIZED SUCROSE FROM LOW GRADE BOILINGS	510
AUTHOR INDEX	557
SUBJECT INDEX	560