

Contents

Introduction	9
1. The beginnings of glass production (The Bronze and Iron Age)	12
2. Core-formed glass (Classical and Hellenistic Period)	17
3. Glass made by sagging over or into a mold, and by casting in a mold (Hellenistic and Early Roman Period).....	23
3.1. Late Hellenistic and Syro-Palestinian glass	23
3.2. Mosaic glass	24
3.3. Ribbed bowls	27
4. Blown glass (Glass production during the Roman Empire)	32
4.1. Mold-blown glass.....	34
4.2. Unguentaria (also Balsamaria)	35
4.3. Small unguentaria.....	36
4.4. Large unguentaria	56
4.5. Mold-blown unguentaria	92
4.6. Unguentaria/jars of various shapes.....	95
4.7. Bowls.....	103
4.8. Beakers	120
4.9. Indented beakers	126
4.10. Fragments of goblets	130
4.11. Jars	131
4.12. Aryballoï	134
4.13. Cinerary urns and ointment jars	138
4.14. Bottles without handles	143
4.15. Jugs with one handle	170
4.16. Cylindrical bottles with one handle	184
4.17. Square bottles with one handle	188
4.18. Amphorae (two handled vessels)	194
4.19. Various shapes	201
5. Early medieval glass (Sasanian, Islamic, and Frankish glass).....	212
5.1. Frankish glass.....	212
5.2. Sasanian and Islamic glass	212
6. The chemical composition of glass.....	225
6.1. Raw materials for glass production	225
6.2. The provenance of the glass.....	226
6.3. Primary and secondary production of Roman glass	226
6.4. Classification of the analyzed glasses	227
6.5. Methods of research.....	229
6.6. Results	229
6.7. Conclusion	233
Conclusion	235
Resumé.....	238
Bibliography.....	244
Concordances	250