

Training Course Agenda

Fundamentals of Lyophilization Training Course (PDA 157)

| DAY 1 | |
|-------|---|
| 8:30 | Welcome and Introductions |
| 9:00 | An Introduction to Lyophilization, The Freeze Drying Process – An Example |
| 10:30 | Break |
| 10:45 | Freeze Drying Equipment |
| 12:00 | Lunch |
| 13:00 | Basic Principles – Phase Diagrams |
| 14:30 | Break |
| 14:45 | The Freezing Process |
| 16:00 | End of Day 1 |
| DAY 2 | |
| 8:30 | Recap of Day 1 |
| 9:00 | Principles of Vacuum Technology |
| 10:30 | Break |
| 10:45 | Primary and Secondary Drying |
| 12:00 | Lunch |
| 13:00 | Phase Transition Determination, Freezing Techniques |
| 14:30 | Break |
| 14:45 | Finished Product Quality Attributes, Process Engineering |
| 16:00 | End of Training Course |