



Training Course Agenda

PDA 399.1 Design, Operation, and Qualification of Pharmaceutical Water Systems

DAY 1

90 min Session 1 – Rules, Regulation, Guidelines, & Qualification Criteria

15 min Break

90 min Session 2 – Impurities in Raw Water

60 min Break

90 min Session 3 – Pretreatment Techniques

15 min Break

90 min Session 4 – Ion Removal Techniques (Ion Exchange & Reverse Osmosis)

DAY 2

90 min Session 5 – Polishing Ion Removal Techniques & Accessories

15 min Break

90 min Session 6 – Distillation & Pure Steam Generation

60 min Break

90 min Session 7 – Storage Systems & Accessories

15 min Break

90 min Session 8 – Ozone

DAY 3

90 min Session 9 – Distribution Systems

15 min Break

90 min Session 10 – Validation

60 min Break

90 min Session 11 – Instrumentation, Controls, Monitoring, & Preventative Maintenance

15 min Break

90 min Session 12 – Non-Distillation Water for Injection Systems