



Basic Lyophilizer Maintenance Helps to Assure Good Performance

ABSTRACT:

Successful lyophilization requires that the freeze drying equipment is in good working condition, with performance meeting factory specifications. Routine freeze dryer maintenance will help assure repeatable results.

This technical brief will discuss recommended freeze dryer maintenance items from basic cleaning & housekeeping to more advanced topics such as calibration, system tests and performance verification. Lyophilizers are complicated pieces of equipment with many different sub-systems, each one requiring specific maintenance protocols.

Many of these maintenance items can and should be routinely performed by the freeze drying equipment operator while some may require the assistance of a trained service technician specializing on freeze dryers. This paper can assist the reader in setting up operational and maintenance procedures for their freeze dryer.