



Manufacturer Of Insulin Pump

1/14/2009 by Jeff Masse, Senior Chemist

Customer problem: Connector needle on personal insulin pump was clogged with an unknown clear solid substance.

What NHML did to solve problem: We analyzed the clear substance by FTIR and by the absorption peaks in the spectrum. We concluded that the clear obstruction was a hydrated protein. We ruled out the possibility that the obstruction was Loctite (used in the construction of the pump), and also the possibility that the obstruction was dried or coagulated insulin.

Benefit to customer: Complaint technician had some good data with which to write a report on this particular complaint.