

PERIODIC MAINTENANCE CHECKLIST - ANKOM^{TDF} DIETARY FIBER ANALYZER

Year: _____

Month: _____

WEEKLY

Flush lines with ethanol using the Instrument out-of-use procedure in appendix B on the ANKOM^{TDF} Operator's Manual.

Clean instrument of any spills or splatters of sample or reagents

☐ initials/date: _____

☐ initials/date: _____

☐ initials/date: _____

☐ initials/date: _____

MONTHLY

CONTAINERS: Inspect & clean containers and filters (at the end of the tubing inside container). Check for any precipitate or foreign matter that may be plugging the filters or settled at the bottom of the container. Use bottle brush and mild detergent as needed; rinse thoroughly & air dry. Replace filters as needed (Part #: 8202 or 8203). Replace tubing as needed

☐ initials/date: _____

SPRAY TIPS: Inspect and clean the spray tips at each IDF and SDF station. Observe spray capability during the spray rinse cycle. Remove plugged spray tips by pulling and turning them (they are friction fit to the fill nozzles). Clean out the six holes using the Spray Tip Cleaning Tool (part # TDF94). Clean out any foreign matter left by the process (pressurized air may be used to blow out the holes). If needed replace the spray tips (part # TDF44). Reinstall the spray tips onto the fill nozzles.

☐ initials/date: _____

SILICONE SUPPLY TUBING: Inspect 1/4" supply tubing for wear, leaks, blockages, or mold growth. Replace as needed with tubing of the same length (part # TDF78).

☐ initials/date: _____

SILICONE DELIVERY TUBING: Inspect 3/16" silicone delivery tubing for wear, leaks, blockages or mold growth. Run a Pump Tube test (found in the Diagnostics mode). Note results from the 6 stations below. Tilt the instrument forward (or view from the rear) to look for any leaks during the this test in which the silicone tubing is pressurized. Replace tubing as needed (part # TDF77); replace any cracked barbed fittings (part # TDF104).

Pump Tube Test results:

Station 1: _____ Station 2: _____ Station 3: _____ Station 4: _____ Station 5: _____ Station 6: _____

NOTE: If results are below 8 psi, replace Pump tubing (TDF99 or TDF68). ☐ Pump tubing replaced

☐ initials/date: _____

VOLUME CALIBRATION: Lubricate pump tubing & run volume calibration per steps found in Diagnostics/Service Mode/Volume Calibration and also as described in Operator's Manual p.83.

Initial average delivery: _____g After adjustment - Final average delivery: _____g

☐ initials/date: _____

ENZYME DRAW CHECK: After performing volume calibration, fill each enzyme vial with 30 ml of water. Go to Diagnostics/Motor Test and set valves such that Amylase is the only supply valve open and Waste is the only Output valve open. Set Motor speed to 120 rpm and set volume to 5 mls. Press GO to run the test. Repeat test for Protease and AMG. Confirm (6 x 5ml) 30 ml is drawn from each vial.

☐ initials/date: _____

ANNUALLY

PINCH VALVE TUBING: Replace all pinch valve tubing (TDF71) at the IDF, SDF, Waste and Enzyme pinch valves. Refer to Service Procedure TS005 at www.ankom.com.

☐ initials/date: _____