HACH TU5300SC TURBIDITY VERIFICATION

NOTE: A verification only confirms the analyzer is working at one point. A calibration is required to check that the analyzer is accurate at all points the analyzer measures.

NOTE: Always use proper PPE when handling chemicals used in this procedure

1. Before starting the analyzer verification, record the present process turbidity reading on the analyzer.

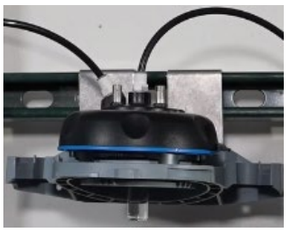
2. From the Hach™ StablCal™ Turbidity Standards Calibration Kit remove the verification vile (10NTU) to perform the verification.

3. On the Controller:
   - Push menu
   - Select SENSOR SETTINGS
   - Select VERIFICATION
   - Select START VERIFICATION

NOTE: This will put the analyzer in Hold/Transfer and there is no need to turn off the inlet flow to the analyzer

4. Remove the process head from the analyzer.

5. Place the process head on the calibration shelf and ensure it is locked in position to prevent damage.



6. Invert the verification vile (10NTU) three times to ensure the solution is properly mixed and wait 2 minutes for the solution in the vile to settle.

7. Insert the verification vile (10NTU) into the process head.

8. Attach the calibration lid to secure the verification vile (10NTU) to the process head.

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9. Allow 30 seconds for the for the turbidity reading to stabilize.

NOTE: If the analyzer reads within 1% of the 10 NTU value on the vile proceed to the next step in the procedure.
If the analyzer reads more or less than 1% of the 10 NTU value stamped on the vile inform the service technician and proceed to the next step in the procedure.

10. Remove the calibration lid to remove the verification vile (10NTU) from the process head.

11. Remove the verification vile (10NTU) from the process head.

12. Place the verification vile (10NTU) back into the Hach™ StablCal™ Turbidity Standards Calibration Kit.

13. Remove the process head from the calibration shelf and reinstall the process head on the analyzer.

14. Allow 30 seconds for the for the turbidity reading to stabilize. If there has not been any notable changes in the process, the analyzer reading in this step should be reasonably close to the analyzer value that was recorded in Step 1.

15. If there is a significant difference between the analyzer readings in Step 1 and Step 14 and the process conditions have not changed, verify the following:

    - Proper flow through the analyzer
    - Process head is securely fastened to the analyzer
    - There are no leaks

16. If the analyzer still is not reading properly, inform the service technicians.