Certificate of Analysis

155 Hidden Ravines Dr
Powell, OH 43065
USA

Tel: 800.858.9682 . 740.881.5501
Fax: 740.881.5989

www.gfschemicals.com

Product name: YSI 6080 Turbidity Standard

Item #: 8170

Lot #: 24028675

Certified Values:

Specifications	Status	Results
Turbidity (instrument specific) </= 0.04 NTU	Pass	<0.04 NTU
Turbidity (HF Scientific instruments) 0.02 NTU	Report	0.02 NTU
Absorbance at 455 nm against pure methanol	Report	<0.001
Lot Number of Baseline Material	Report	24016710

Comments YSI Equivalent Lot: 26B24028675

CoA #: COA-122955

Expiration date: February 2027

Certificate Created By: Allison Sandy

Print Date: February 11, 2026

Certified by: Aron Becza - Quality Assurance Manager

Aron Becza

Traceability:

This material was processed under a quality management system that is registered to ISO 9001 2015. The equipment used in the testing of materials is NIST traceable. In cases where NIST traceability is not possible equipment manufactured recommendations and /or industry best practices are followed.

The following tests are performed under an A2LA accredited ISO/IEC 17025 management system:
- UV/VIS Spectrophotometer testing is performed according to ASTM method E169-16
- Turbidity according to ASTM methods D6855-17 and ASTM D7315-17

Samples for testing are obtained using GFS procedure GFSW-LAB-PPG-0022.

Testing is performed in a laboratory temperature of 22 ℃ +/- 2 ℃.

Turbidity Instrument – A formazin calibrated turbidity meter was used in the formulation and testing of the standards for each specific instrument design.

Certified absorbance value is only valid when AMCO Clear 0.0 NTU is used for the instrument baseline.

UV/VIS Spectrophotometer Information – Certified absorbance readings obtained on either a Shimadzu UV-2600 spectrophotometer or a Shimadzu UV-2700 spectrophotometer that is verified yearly with NIST SMRs 2031, 2034 and Hg Lamp.

Measurement Uncertainty:

The uncertainty of the certified values is stated below. These values are to be input into the equation that follows to determine the acceptable
tolerance:
- If absorbance is 0.0 < x < 0.5 AU: then uncertainty is +/- 0.005 AU
- If absorbance is 0.5 < x < 1.5 AU: then uncertainty is +/- 0.008 AU
- If absorbance is 1.5 < x < 4 AU: then uncertainty is +/- 0.012 AU

Tolerance Statement

The difference between the mean measured turbidity value and the verified value provided on this certificate should not exceed the tolerance value.

Specifications:

Hazardous Information: Consult SDS for information on this product.

Storage Information: This standard should be stored at room temperature before and after opening. At no time should it be frozen or stored in extreme heat. These conditions can cause instability of the materials and lead to incorrect results.

Usage Information: This material is intended for use as a calibration or validation standard. For primary standards, pour necessary amounts of material into a sample container and run the sample per instrument manufacturer's user manual. Dispose of used nonhazardous materials. Do not pour back into bottle. These materials are not for dilution and do not require inversion or mixing to use unless otherwise stated on the bottle. Do not shake the standards as this can introduce greater error in the results. For secondary standards, place the vial in the instrument and run the sample per the manufacturer's user manual.

24028675

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Product name: YSI 6080 Turbidity Standard

Item #: 8170

Lot #: 24028676

Certified Values:

Specifications	Status	Results
Turbidity (instrument specific) </= 0.04 NTU	Pass	<0.04 NTU
Turbidity (HF Scientific instruments) 0.02 NTU	Report	0.02 NTU
Absorbance at 455 nm against pure methanol	Report	<0.001
Lot Number of Baseline Material	Report	24016710

Comments YSI Equivalent Lot: 26B24028676

CoA #: COA-122958

Expiration date: February 2027

Certificate Created By: Allison Sandy

Print Date: February 11, 2026

Certified by: Aron Becza - Quality Assurance Manager

Aron Becza

Traceability:

This material was processed under a quality management system that is registered to ISO 9001 2015. The equipment used in the testing of materials is NIST traceable. In cases where NIST traceability is not possible equipment manufactured recommendations and /or industry best practices are followed.

The following tests are performed under an A2LA accredited ISO/IEC 17025 management system:
- UV/VIS Spectrophotometer testing is performed according to ASTM method E169-16
- Turbidity according to ASTM methods D6855-17 and ASTM D7315-17

Samples for testing are obtained using GFS procedure GFSW-LAB-PPG-0022.

Testing is performed in a laboratory temperature of 22 ℃ +/- 2 ℃.

Turbidity Instrument – A formazin calibrated turbidity meter was used in the formulation and testing of the standards for each specific instrument design.

Certified absorbance value is only valid when AMCO Clear 0.0 NTU is used for the instrument baseline.

UV/VIS Spectrophotometer Information – Certified absorbance readings obtained on either a Shimadzu UV-2600 spectrophotometer or a Shimadzu UV-2700 spectrophotometer that is verified yearly with NIST SMRs 2031, 2034 and Hg Lamp.

Measurement Uncertainty:

The uncertainty of the certified values is stated below. These values are to be input into the equation that follows to determine the acceptable
tolerance:
- If absorbance is 0.0 < x < 0.5 AU: then uncertainty is +/- 0.005 AU
- If absorbance is 0.5 < x < 1.5 AU: then uncertainty is +/- 0.008 AU
- If absorbance is 1.5 < x < 4 AU: then uncertainty is +/- 0.012 AU

Tolerance Statement

The difference between the mean measured turbidity value and the verified value provided on this certificate should not exceed the tolerance value.

Specifications:

Hazardous Information: Consult SDS for information on this product.

Storage Information: This standard should be stored at room temperature before and after opening. At no time should it be frozen or stored in extreme heat. These conditions can cause instability of the materials and lead to incorrect results.

Usage Information: This material is intended for use as a calibration or validation standard. For primary standards, pour necessary amounts of material into a sample container and run the sample per instrument manufacturer's user manual. Dispose of used nonhazardous materials. Do not pour back into bottle. These materials are not for dilution and do not require inversion or mixing to use unless otherwise stated on the bottle. Do not shake the standards as this can introduce greater error in the results. For secondary standards, place the vial in the instrument and run the sample per the manufacturer's user manual.

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