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INTERNATIONAL

# REFERENCE MATERIALS FOR LABORATORIES

## Wide Selection of Single and Multi-Property Standards

Meet 40 CFR 1090 requirements with our multi-property reference materials. You'll receive high-quality materials with reference values for multiple properties from different test methods in a single container with one Certificate of Analysis.

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Build a monthly check standard package with our custom subscription plans. We'll build a plan to ensure your laboratory maintains a consistent lot number throughout the year, helping you avoid sample contamination and continuous control charting development.

Benefits of a subscription plan include:

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- high-quality packaging and specialized bottle storage to maintain sample integrity for the shelf life of the sample
- multicomponent certificate of analysis options
- having an inventory of materials on hand to meet regulatory and other accreditation requirements

## Materials Exchange Program

Donate your commercially-available bulk materials for use in our Proficiency Testing Program and receive the containerized reference materials you need in large volumes at a reduced cost.



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Monthly, quarterly, and annual subscriptions



Highly-accurate reference values



Clear and concise Certificates of Analysis



Multi-property options

## Order today.

Contact Amber Hickman [ahickman@astm.org](mailto:ahickman@astm.org)  
View our catalog for full selection [go.astm.org/refmats](https://go.astm.org/refmats)



# ASTM INTERNATIONAL REFERENCE MATERIALS

We offer a large selection of standard offerings and multi-property reference materials. View our catalog for the full list of test methods, properties, and matrixes.

## **40 CFR 1090 Accuracy and Precision Reference Materials**

- Vapor Pressure of Gasoline
- Benzene in Gasoline
- Sulfur in Gasoline and Sulfur in Diesel
- Oxygenates in Gasoline
- Aromatics in Gasoline
- Olefins in Gasoline
- Distillation

## **Combustion Characteristic Reference Materials**

- Octane Number
- Cetane Number
- Derived Cetane Number

## **Compositional GC Reference Materials**

- Paraffins, Naphthenes, Aromatics; in gasoline or naphtha
- Paraffins, Isoparaffins, Naphthenes, Aromatics; in gasoline or naphtha
- Olefins, Aromatics, Saturates; in gasoline
- Paraffins, Isoparaffins, Olefins, Naphthenes, Aromatics; in gasoline
- Detailed Hydrocarbon Analysis; in naphtha

## **Distillation Reference Materials**

- Crude Oil
- Gas Oil
- Biodiesel
- Diesel Fuel
- Jet Fuel

- Gasoline
- Naphtha
- P-Xylene

## **Flow Properties Reference Materials**

- Cloud Point
- Pour Point
- Cold Filter Plugging Point
- Freeze Point

## **Aviation Jet Fuel Reference Materials**

- JFTOT Tube Deposit Thickness
- MSEP Rating
- Smoke Point
- BOCLE Wear Scar Diameter
- Aromatics by HPLC

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To place an order, contact  
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