



Reference Fluids by Chevron Phillips Chemical

Overview

Are you seeking a manufacturing partner to help you develop new reference fluids for your laboratory equipment and technology? Put your trust in Chevron Phillips Chemical TrustTec™ for the research and production of these critical reference fluids.

About Chevron Phillips

Chevron Phillips Chemical has been a reliable manufacturer of reference fluids for analytical testing protocols for more than 50 years. Our experienced research and development team offers unparalleled support and technical expertise. With Chevron Phillips Chemical as your partner, you can be confident that your customers will receive the highest quality reference fluids. Why put your trust in Chevron Phillips Chemical?

- Chevron Phillips Chemical is a member of ASTM International, with expertise in certifying materials for published laboratory testing methods.
- All Chevron Phillips Chemical operations, including Production, Laboratory, and Shipping, are ISO 9001:2015 certified and adhere to the most stringent quality processes.
- Chevron Phillips Chemical's products are made in the United States with manufacturing and blending expertise in high-purity fluids, governed by a Process Safety Management Oversight program.
- As a member of the American Chemistry Council (ACC), Chevron Phillips Chemical culture focuses on improved health, safety, and environmental performance in the industry through the Responsible Care program.
- Chevron Phillips Chemical is member of the OSHA Voluntary Protection Program and is recognized in the industry for implementing effective safety and health management systems.
- Chevron Phillips Chemical offers top-in-class global supply chain management and localized warehousing and e-commerce capabilities through our distribution partner ChemPoint.
- Chevron Phillips is committed to sustainability and supports a circular economy, which is reflected in our strategy, processes, and products.



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Products

ASTM D2699 and D2700: Standard Test for RON/MON of Spark Ignition Fuels

Chevron Phillips Chemical produces high-purity primary reference fuels PRF Isooctane (2,2,4 trimethylpentane), PRF n-Heptane, and Toluene Reference Fuel Grade for fuel octane rating needs in test knock engines. Certified blends are also available.

ASTM D613: Standard Test Method for Cetane Number of Diesel Fuel Oil

Chevron Phillips Chemical produces diesel secondary references fuel T (high cetane) and U (low cetane), as well as Diesel Cetane Check Fuel – High and Diesel Cetane Check Fuel to obtain the cetane number for diesel fuels by test knock engines.

ASTM D2887: Standard Test Method for Boiling Range Distribution of Petroleum Fractions by Gas Chromatography

Chevron Phillips Chemical produces reference gas oil #1 noted in the test method for calibration of simulated distillation by gas chromatography.

ASTM D471: Standard Test Method for Rubber Property–Effect of Liquids

Chevron Phillips Chemical produces noted reference materials A–F, which are used for testing capability of rubber materials in hydrocarbons for the aviation industry.

ASTM D2622: Standard Test Method for Sulfur in Petroleum Products

Chevron Phillips Chemical produces n-Butyl Sulfide as the reagent for calibration of x-ray fluorescence spectrometry.

ASTM D5191: Standard Test Method for Vapor Pressure of Petroleum Products

Chevron Phillips Chemical produces n-Pentane Pure as reagent for calibration for automated vapor pressure instruments

For complete specifications, please view the appropriate Reference Fuels **Technical Data Sheet** (TDS) on our website: www.cpchem.com/resources/technical-data-sheets-tds.

If you would like to work with Chevron Phillips Chemical to develop and commercialize new reference fluids, please contact:

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