

TEDIA PRODUCT INNOVATION

Petroleum Reference Solvents

For over 40 years, Tedia has worked to become a market leader in solvent purification. Tedia works with customers to solve problems or introduce new solvents where the need exists. Tedia's Petroleum Reference Solvents are a new product innovation that showcases our continued insight into providing solutions to our customer's problems.

Background

A petroleum refinery in the Midwest contacted Tedia regarding varying Sulfur and Nitrogen levels in our 2,2,4-Trimethylpentane. Immediately intrigued we setup a meeting with the refinery contact to further understand the use and needs of the solvent for their respective application. The refinery explained that crude oils from their processes must be tested via various methods for Sulfur and Nitrogen content to ensure compliance with appropriate environmental regulations for further processing into fuels. To date, the customer (and we would learn others) had been lot-selecting materials to meet these low-level requirements for testing.

Solution

Tedia thrives on the challenge of solving customer problems, so we quickly went to work. Further research revealed that other petroleum refineries were experiencing the same "lot selection" issue with their method for testing. Labs would often take the lot they had on hand regardless of contaminant levels for a reference, even if this meant sacrificing sensitivity on the testing apparatus. Tedia contacted instrument manufacturers of the Sulfur and Nitrogen analyzers and heard a similar story. The instrument manufacturers struggled with calibrations or selling of the equipment because there wasn't a reliable solvent to recommend for testing and certification on their respective instrument(s). Tedia created a first-of-its-kind solvent with low sulfur and nitrogen for an industry in need with our Petroleum Reference Solvents.

KEY RESULTS

We now have
2,2,4-Trimethylpentane
and Toluene available
with extremely low
parts-per-billion levels of
sulfur and
nitrogen.

