Reference Material Certificate Summary

SA5502-0

SetaCheck Verification Kit

Instructions for Use
To be used in accordance with ASTM D8274.

Intended Use
For use with the Stanhope-Seta instrument SA5500-0 “SetaCheck” to verify biodiesel content according to the ASTM D8274 - Standard Test Method for Determination of Biodiesel (Fatty Acid Methyl Esters) Content in Diesel Fuel Oil by Portable Rapid Mid-Infrared Analyser.

Traceability of Data
The procedure for the preparation of these calibration fluids is based upon Stanhope-Seta method OPISA5501-0, "SetaCheck FAME Calibration and Verification Materials".
The solution is prepared by weighing suitable quantities of methyl stearate & methyl palmitate, on an analytical balance. These materials were then added to a suitable quantity of diluent which meets the requirements of ASTM D8274 Annex A2.
All component weights were determined by the required concentration (v/v%) and batch size and were calculated from the individual densities measured prior to manufacture. All chemicals are certified analytical reagent grade. The diluent was purchased from a reputable manufacturer and confirmed suitable for the process by Stanhope-Seta prior to use.

Certified Values:

Batch Number	Certified Values (v/v%)
2411038001	0.50
2411039001	5.00
2411040001	20.00

See individual certificates for uncertainty values.

Balances used hold a current ISO 17025 calibration certificate with the calibration of the balance having been conducted at the place and location of use, by an organisation accredited to ISO 17025, for the calibration of balances.

All measurements were conducted using analytical balances which hold a current ISO 17025 calibration certificate with the calibration of the balance having been conducted at the place and location of use, by an organisation accredited to ISO 17025.

Recommendations for use
Ensure that good laboratory practice (GLP) is observed when using this standard and when not in use the container should be kept sealed and stored at ambient temperature in a dark environment. Refer to SDS for health and safety information.

Expiry Date and Storage Requirements
Use within 24 months from date of production. The certification is nullified if the material is damaged, contaminated, otherwise modified, or used in a manner for which it was not intended. The material should be stored in a cool place away from direct sunlight. Refer to individual certificates for further information.

Report Authorisation:

Name: Duncan Black

Signature

Date: 18th November 2024