



Biodiesel is fast becoming an environmental-friendly alternative to petroleum sources. This fuel source is obtained by esterification of oils derived from plants or animals. To meet the demands of this industry, SPEX CertiPrep offers Biodiesel Certified Reference Materials designed to save time and money by eliminating the need to prepare in-house standards. Our standards are manufactured from the highest purity starting materials and the highest grade of solvents available to guarantee superior grade standards. These standards are manufactured in a specially designed laboratory built to eliminate contamination issues that may arise during the manufacturing process. The standards then go through a rigorous QC process where a senior chemist approves the standards. This guarantees the standards are accurate and stable at the stated concentrations for all the components. In addition, all standards are supplied with a detailed comprehensive Certificate of Analysis. The back of this flyer outlines some of the available Biodiesel Standards offered by SPEX CertiPrep. For a custom standard quote, please contact your local sales representative for further information.

UL and A2LA Stamp of Approval:

- Quality System Complies with ISO 9001:2000 – Registered with UL.
- Standards Manufactured to Meet the Requirements of ISO 17025:2005 and ISO Guide 34-2000 – Accredited by A2LA.

Instrumentation used with our SPEXOrganics:

- GC, Gas Chromatography (FID, ECD, PID, TCD).
- GC/MS, Gas Chromatography-Mass Spectrometry (EI, CI).
- HPLC, High Performance Liquid Chromatography.
- HPLC/MS, High Performance Liquid Chromatography-Mass Spectrometry.

Features of SPEXOrganics:

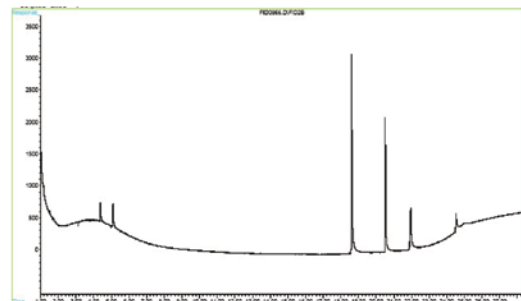
- Over 2,000 different single-component standards available in concentrations of 100 and 1,000µg/mL. Custom standards at higher or lower concentrations are also available.
- Standards packaged in 1.2mL ampules up to 1L bottles.
- Wide selection of stock multi-component standards available, visit our website for further details.
- Concentration of components guaranteed.
- Stability of each standard guaranteed.
- Isotopically labeled standards available for Internal Standard, Surrogate and Isotope Dilution analysis.
- Custom Packaging readily available.
- Custom Blends manufactured upon request based on your individual needs.

Value of SPEXOrganics:

- SPEX CertiPrep provides the highest quality standards available.
- Impurities in standard are assessed by GC/MS to ppm levels and outlined in our Certificate of Analysis.
- Uncertainty of standard is reported on the Certificate of Analysis.
- Weights used are traceable to NIST.
- Manufactured by chemists having an average of 20 years of experience to ensure highest quality.

SPEX CertiPrep is the industry leader for over 50 years in the CRM marketplace meeting the needs of laboratories worldwide with innovation and research. Our goal is to ensure Total Customer Satisfaction that is why our motto has always been Superior Quality and Unparalleled Service.

Turn over for a list of Biodiesel Standards.



Biodiesel Standards

Glycerides Contaminate Standards

Part #	Compound	Concentration (µg/mL)	Matrix	Volume (mL)
BD-3509	Diolein	50	Pyridine	1.2
	Glycerol	5		
	Monolein	100		
	Triolein	50		
BD -3510	Diolein	100	Pyridine	1.2
	Glycerol	15		
	Monolein	250		
	Triolein	100		
BD -3511	Diolein	200	Pyridine	1.2
	Glycerol	25		
	Monolein	500		
	Triolein	20		
BD -3512	Diolein	350	Pyridine	1.2
	Glycerol	35		
	Monolein	750		
	Triolein	350		
BD -3513	Diolein	500	Pyridine	1.2
	Glycerol	50		
	Monolein	100		
	Triolein	500		
BD -3514	(S)-1,2,4-Butanetriol	1000	Pyridine	5.2
BD -3515	Tricaprin	8000	Pyridine	5.2
NEAT-4419	N-trimethylsilyl-N-methyl trifluoroacetamide (MSTFA)	Neat	N/A	5.2
BD -3508	Kit contains one each of BD -3509 thru BD -3515			

Fatty Acids Methyl Esters (FAME)

Part #	Compound	Concentration (µg/mL)	Matrix	Volume (mL)
S-4220	Methyl Caproate	1000	Methanol	1.2
S-4648	Methyl Heptanoate	1000	Methanol	1.2
S-4649	Methyl Caprylate	1000	Methanol	1.2
S-4650	Methyl Nonanoate	1000	Methanol	1.2
S-4217	Methyl Caprate	1000	Methanol	1.2
S-4651	Methyl Undecanoate	1000	Methanol	1.2
S-4652	Methyl Laurate	1000	Methanol	1.2
S-4653	Methyl Tridecanoate	1000	Methanol	1.2
S-4654	Methyl Myristate	1000	Methanol	1.2
S-4655	Methyl Pentadecanoate	1000	Methanol	1.2
S-4656	Methyl Palmitate	1000	Methanol	1.2
S-4657	Methyl Heptadecanoate	1000	Methanol	1.2
S-4658	Methyl Stearate	1000	Methanol	1.2
S-4659	Methyl Nonadecanoate	1000	Methanol	1.2
S-4660	Methyl Arachidate	1000	Methanol	1.2
S-4661	Methyl Heneicosanoate	1000	Methanol	1.2
S-4662	Methyl Behenate	1000	Methanol	1.2
S-4663	Methyl Tricosanoate	1000	Methanol	1.2
S-4664	Methyl Lignocerate	1000	Methanol	1.2



Can't find the standard you are looking for?

SPEX CertiPrep can custom make any standard in any combination.

Call your local sales representative for more information.

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