

108.1 - Alcohols and Ethers [Oxygenates] in Gasoline

SRMs 2294 through 2297 were produced in response to the U.S. EPA Final Rule on Reformulated Gas aimed at reducing the volatile organic compounds emitted from gasoline. SRMs 2294 through 2297 are certified for oxygenate, sulfur, benzene, and toluene, with reference values for olefins and aromatics. Each SRM unit is issued as a set of two sealed 20 mL ampoules.

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

Concentration (mass fraction, in %)

SRM	Description	Unit of Issue	Benzene	Ethanol	Oxygen	Oxygenate	Sulfur	Toulene
2294	Reformulated Gasoline (Nominal Mass Fraction 11% MTBE)	2 x 20 mL	1.03		<i>2.01</i>	10.97	0.00409	8.29
2295	Reformulated Gasoline (nominal 15% MTBE)	2 x 20 mL	0.99		<i>2.66</i>	14.54	0.0308	7.89
2296	Reformulated Gasoline (Nominal Mass Fraction 13 % ETBE)	2 x 20 mL	1.0		<i>2.06</i>	13.02	0.0040	8.02
2297	Reformulated Gasoline (Nominal Mass Fraction 10% Ethanol)	2 x 20 mL	1.04	9.91	<i>3.50</i>		0.03037	8.27

- Certified values are normal font
- Reference values are italicized
- Values in parentheses are for information only