Low Level Oxygenate Reference Material in Automotive Spark-Ignition Engine Fuels

DCG has available NIST traceable gravimetrically prepared reference materials for low level oxygenate analysis in automotive spark-ignition engine fuels. Fuels reference materials for liquid blends are provided in ampoules from large production lots and verified analytically at time of manufacture and again at time of purchase, minimizing customer lot changes and providing increased repeatability. The following reference materials are representative DCG product offerings.

Check Standard
Concentration: weight

- 0.5 - 100 mg/kg Dimethyl ether
- 0.5 - 100 mg/kg Diethyl ether
- 0.5 - 100 mg/kg Acetaldehyde
- 0.5 - 100 mg/kg Ethyl tert-butyl ether
- 0.5 - 100 mg/kg Methyl tert-butyl ether (MTBE)
- 0.5 - 100 mg/kg Diisopropyl ether
- 0.5 - 100 mg/kg Propionaldehyde (Propanal)
- 0.5 - 100 mg/kg Tert-amyl methyl ether (TAME)
- 0.5 - 100 mg/kg Propyl ether
- 0.5 - 100 mg/kg Isobutylaldehyde
- 0.5 - 100 mg/kg Butylaldehyde
- 0.5 - 100 mg/kg Methanol
- 0.5 - 100 mg/kg Acetone
- 0.5 - 100 mg/kg Isovaleraldehyde
- 0.5 - 100 mg/kg Valeraldehyde
- 0.5 - 100 mg/kg 2-Butanone (MEK)
- 0.5 - 100 mg/kg Ethanol
- 0.5 - 100 mg/kg N-propyl alcohol
- 0.5 - 100 mg/kg Isopropanol
- 0.5 - 100 mg/kg Allyl alcohol
- 0.5 - 100 mg/kg Isobutanol
- 0.5 - 100 mg/kg Tert-butyl alcohol
- 0.5 - 100 mg/kg Sec-butanol
- 0.5 - 100 mg/kg N-butanol
- 0.5 - 100 mg/kg Butylatedhydroxytoluene*

Balance Isooctane
*Inhibitor added to blend for stability

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