

Low Level Oxygenate Reference Material in C2, C3, C4 and C5 Hydrocarbon Matrices

DCG has available NIST traceable gravimetrically prepared reference materials for low level oxygenate analysis in C2, C3, C4 and C5 hydrocarbon matrices. LPG reference materials are prepared in constant pressure cylinders with special seals for reactive hydrocarbons to ensure homogeneity and with an inhibitor added for improved stability. The following reference materials are representative DCG product offerings.

Blend #1

Concentration: weight

800 psi helium pressure pad

- 20-50 mg/kg Dimethyl ether
- 20-50 mg/kg Diethyl ether
- 20-50 mg/kg Acetaldehyde
- 20-50 mg/kg Ethyl tert-butyl ether
- 20-50 mg/kg Methyl tert-butyl ether (MTBE)
- 20-50 mg/kg Diisopropyl ether
- 20-50 mg/kg Propionaldehyde (Propanal)
- 20-50 mg/kg Tert-amyl methyl ether (TAME)
- 20-50 mg/kg Propyl ether
- 20-50 mg/kg Isobutylaldehyde
- 20-50 mg/kg Butylaldehyde
- 20-50 mg/kg Methanol
- 20-50 mg/kg Acetone
- 20-50 mg/kg Isovaleraldehyde
- 20-50 mg/kg Valeraldehyde
- 20-50 mg/kg 2-Butanone (MEK)
- 20-50 mg/kg Ethanol
- 20-50 mg/kg N-propyl alcohol
- 20-50 mg/kg Isopropanol
- 20-50 mg/kg Allyl alcohol
- 20-50 mg/kg Isobutanol
- 20-50 mg/kg Tert-butyl alcohol
- 20-50 mg/kg Sec-butanol
- 20-50 mg/kg N-butanol

Balance C2, C3, C4 or C5 matrices

Modified Blend #1

Concentration: weight

800 psi helium pressure pad

- 50 mg/kg Methanol
- 50 mg/kg N-propyl alcohol
- 50 mg/kg Isopropanol
- 50 mg/kg N-butanol
- 50 mg/kg Sec-butanol
- 50 mg/kg 2-Butanone (MEK)
- 50 mg/kg Methyl tert-butyl ether (MTBE)
- 50 mg/kg Ethanol
- 50 mg/kg Acetone
- 50 mg/kg Tert-butyl alcohol
- 50 mg/kg Isobutanol
- 50 mg/kg Tert-amyl methyl ether (TAME)
- 50 mg/kg Sec-butyl methyl ether
- 50 mg/kg Ethyl tert-butyl ether
- 200 mg/kg Dimethyl ether
- Balance n-Butane

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