Agilent Technologies
Innovating the HP Way

PRAXAIR

Certificate of Analysis

NGA Gas Calibration Standard

Agilent Part No: 5184-3536, 5184-3542 **Sample Lot No:** 082801B

Concentrations:

Nitrogen	5.0021%
Methane	72.3821%
Ethane	9.0042%
Carbon Dioxide	1.5001%
Propane	5.9964%
Isobutane	3.0040%
n-Butane	2.0073%
Isopentane	0.5017%
n-Pentane	0.5035%
n-Hexane	0.0986%
Water content	<5 ppm
Other impurities	<1 ppm
BTU value	1257

Traceability:

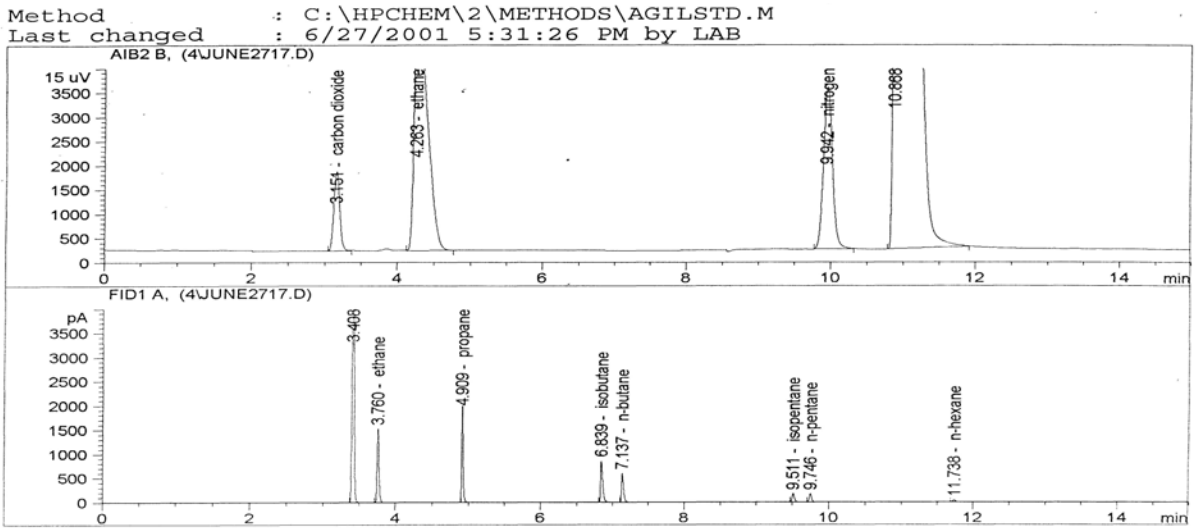
This standard was produced gravimetrically using vendor quality procedures. Balances used are calibrated regularly, traceable to NIST. Standard concentrations were verified on an HPmodel 6890 gas chromatograph, using a Wasson valve switch, Variable Pressure Control and multiple packed/capillary columns.

Standards Used:

Praxair NGA Primary Standard Source Gas, serial #12853AX.

Analytical GC Chromatograms:

Analytical columns: MoleSieve 5A, HaySep DB, U-Plot
TCD: 1.0 ml loop; He carrier at 35 ml/min; oven temp = 90degC
FID: 0.1 ml loop; He carrier at 30 ml/min; split ratio=25:1; Ramp 75degC for 6 min to 180degC for 3.75 min at 20degC/min



Date of Release: 28 August, 2001
Expiration Date: 28 August, 2003

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