

# Natural Gas Analysis Report

## Sample Information

Sample Information	
Sample Name	GPA 2172-09 Calculation Check at 14.696 psia
Report Date	2015-04-28 15:34:33
EZReporter Configuration File	C6+ default.11.cfgx
EZReporter Data File	GPA 2172-09 Example Data at 14.696 psia.ezrx
NGA Phys. Property Data Source	GPA Standard 2145-09 (FPS)
Data Source	Manually entered data

## Component Results

Component Name	Ret. Time	Peak Area	Norm%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)
Helium	0.000	0.0	0.0300	0.0	0.00004	0.003
Hydrogen	0.000	0.0	0.0000	0.0	0.00000	0.000
Nitrogen	0.000	0.0	0.3200	0.0	0.00310	0.035
Oxygen	0.000	0.0	0.0000	0.0	0.00000	0.000
Methane	0.000	0.0	83.0200	838.5	0.45985	14.084
Carbon Dioxide	0.000	0.0	2.0200	0.0	0.03069	0.345
Ethane	0.000	0.0	7.4500	131.8	0.07735	1.994
Propane	0.000	0.0	4.3900	110.5	0.06684	1.210
i-Butane	0.000	0.0	0.8300	27.0	0.01666	0.272
n-Butane	0.000	0.0	1.0800	35.2	0.02167	0.341
i-Pentane	0.000	0.0	0.3100	12.4	0.00772	0.113
n-Pentane	0.000	0.0	0.2500	10.0	0.00623	0.091
Hexanes Plus	0.000	0.0	0.3000	15.4	0.00965	0.130
Water	0.000	0.0	0.0000	0.0	0.00000	0.000
Total:			100.0000	1180.8	0.69979	18.618

## Results Summary

Result	Dry	Sat. (Base)
Total Raw Mole% (Dry)	100.0000	
Pressure Base (psia)	14.696	
Temperature Base	60.0	
Water Mole%	-	1.7447
Gross Heating Value (BTU / Ideal cu.ft.)	1180.8	1160.2
Gross Heating Value (BTU / Real cu.ft.)	1184.6	1164.4
Relative Density (G), Real	0.7018	0.7007
Compressibility (Z) Factor	0.9968	0.9964
Wobbe Index	1414.2	1391.1