

SPECIFICATIONS FOR LPG. 50% PROPANE AND 50% BUTANE MIX

| TYPICAL | TEST UNIT DESIGN | ACTUAL | ASTM METHOD |
|---------|------------------|--------|-------------|
|---------|------------------|--------|-------------|

A. BUTANE

| | | | |
|-----------------------------------|-------|-----------------|---------------------|
| ETHANE | MOLE% | 0.08 | D 2163 |
| PROPANE | MOLE% | 0.95 (2 MAX) | D 2163 |
| TOTAL C4 | MOLE% | 98.3 (97.5 MIN) | D 2163 |
| TOTAL C3 | MOLE% | 0.75 (0.82 MAX) | D 2163 |
| SP-GR @ 60/60OF | | TO BE REPORTED | D-2598 |
| CU. CORROSION NO.1 | | A MAX | D-1838 |
| TOTAL SULPHUR | PPM | NIL | D-2784 |
| H2S | PPM | NIL | D-2420 |
| V apour P ressure@ 100F (@ 37.8C) | PSIG | 70 MAX | D-2598 |
| H2O CONTENT | PPM | 10 MAX | SHAW DEW PT/ D-2713 |
| RESIDUE | PPM | 0.05 MAX | D-2158 |

B. PROPANE

| | | | |
|-----------------------------------|-------|-------------------------------------|------------------------|
| ETHANE | MOLE% | 0.47 summer (0.4 Min) 0.509 winter | G.C |
| PROPANE | MOLE% | 98.17 summer (98 Min) 98.17 winter | G.C |
| BUTANE | MOLE% | 1.353 summer (1.4 Min) 1.249 winter | G.C |
| Pentane & Heavier | | 0.01 Max | G.C |
| SP-GR @ 60/60OF | | TO BE REPORTED | D-2598 |
| CU. CORROSION NO.1 | | A MAX | D-1838 |
| TOTAL SULPHUR (Volatile) | PPM | 30 MAX | Microcoulometry |
| H2S | PPM | 5 MAX | D-2420 |
| V apour P ressure@ 100F (@ 37.8C) | | 200 MAX | D-2598 |
| H2O CONTENT | PSIG | 10 MAX | SHAW DEW PT/ D-2713 |

BUTANE PROPANE MIX SPECIFICATIONS

| | |
|-----------------------------------|------------------|
| PROPANE - BUTANE GAS MIXTURE..... | LPG |
| MIXTURE PERCENTAGES: | |
| >PROPANE - PROPYLENE..... | 50% |
| >BUTANE - BUTYLENES..... | 50% |
| VAPOR..... | 37.8 MAX 1380 KA |
| SULFUR..... | MAX 343 MG/M3 |
| EVAPORATE WASTE MATERIAL..... | MAX 100 ML |
| D Ci at h..... | 200,000 |