

PRODUCT SPECIFICATION (JET A1)

| <u>Test</u> | <u>Units</u> | <u>Specifications</u> | <u>Method</u> |
|-----------------------------|-------------------|-----------------------|-----------------|
| D1655Degree C (F) | | | |
| Saybolt Color | Number | Report | D156 |
| Total Acid, Max. | mgKOH/g | 0.10 | D3242 |
| Aromatic Content, Max. | vol % | 25 | D1319 |
| Naphthalenes, Max. | vol % | 3 | D1840 |
| Mercaptan Sulfur, Max. | wt. % | 0.003 | D3227 |
| Total Sulfur, Max. | wt. % | 0.30 | D4294 |
| Initial Boiling Point | Celsius | Report | D86 |
| 10% Recovery Point, Max. | Celsius | 205 (401) | D86 |
| 20% Recovery Point | Celsius | Report | D86 |
| 50% Recovery Point | Celsius | Report | D86 |
| 90% Recovery Point | Celsius | Report | D86 |
| Final Boiling Point, Max. | Celsius | 300 (572) | D86 |
| Residual, Max. | vol % | 1.5 | D86 |
| Loss, Max. | vol % | 1.5 | D86 |
| Flash Point, Min. | Celsius | 38.0 (100) | D56 |
| Viscosity @-20C, Max. | cSt | 8.0 | D445 |
| Gravity | API | 37 - 51 | D4052 |
| Density @15 C, | kg/m ³ | 775 - 840 | D4052 |
| Freeze Point, Max. | Celsius | -45.5(-50) | Jet A D5972 |
| Freeze Point, Max. | Celsius | -47 (-53) | Jet A - 1 D5972 |
| Heat Content, Min. | Btu/lb | 18,400 | D3338 |
| Net Heat of Combustion, Min | MJ/kg | 42.8 | D3338 |
| Smoke Point, Min. | mm | 18.00 | D1322 |
| Copper Corrosion, Max. | Code | 1 | D130 |
| Stability, P, Max. @ 260C | mm HG | 25 | D3241 |
| Preheat Code, Max. | Code | <3 | D3241 |
| Existent Gum, Max. | mg/100ml | 7 | IP540 |
| Water Separation | MSEP | 85 | D3948 |