



U. S. Oil & Refining Co.

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ISOMERATE

| Properties | ASTM Test Method | Typical Range |
|----------------------------------|---------------------|---------------|
| Gravity, °API | D 4052 | 77.0 – 79.0 |
| Gum Content, mg/100 mL, unwashed | D 381 | <1.0 |
| Oxidation Stability, minutes | D 525 | >120 |
| Corrosion @122 °F, rating | D 130 | 1A |
| Benzene, Volume % | D 3606 | <0.2 |
| Distillation, °F IBP | D 86 | 93 – 103 |
| 10 % Evaporated | | 110 – 120 |
| 20 % Evaporated | | 115 – 125 |
| 50 % Evaporated | | 125 – 135 |
| 90 % Evaporated | | 155 – 165 |
| End Point | | 195 - 260 |
| Mercaptan, Doctor | D 4952 | Negative |
| Hydrocarbon Type (FIA), Volume % | D 1319 | |
| Aromatics | | <0.3 |
| Olefins | | <0.3 |
| Saturates | | 99+ |
| Research Octane | D 2699 | 75.0-79.0 |
| Motor Octane | D 2700 | 72.0-76.0 |
| R + M/2 | | 74.0-77.0 |
| Reid Vapor Pressure, psia | D 5191-01 | 10.0 - 11.0 |
| Sulfur, ppmw | D 5453 | <0.1 - 1.5 |