



PETRO PALAYESH NIK

Petro Palayesh Nik Yazd Laboratory

Sample Name:
South Pars gas condensate Light hydrocarbons (first cut)
(Light Naphtha)



04/20/2021 11:42 AM

Page 1 of 1

| Test | Unite | Test Method | Guaranty Range | Result |
|---------------------------------|---------------|-------------|-------------------|--------|
| Density @ 15 °C | Kg/m3 | ASTM D4052 | 712 Max | 707 |
| Distillation Range (°C) | | | | |
| IBP | °C | ASTM D86 | 35 Min | 39 |
| 10 | °C | ASTM D86 | 48 - 58 | 55 |
| 20 | °C | ASTM D86 | 58 - 68 | 63 |
| 30 | °C | ASTM D86 | 68 - 78 | 72 |
| 40 | °C | ASTM D86 | 78 - 88 | 81 |
| 50 | °C | ASTM D86 | 88 - 98 | 91 |
| 60 | °C | ASTM D86 | 98 - 108 | 101 |
| 70 | °C | ASTM D86 | 108 - 118 | 112 |
| 80 | °C | ASTM D86 | 118 - 128 | 123 |
| 90 | °C | ASTM D86 | 137 - 147 | 141 |
| 95 | °C | ASTM D86 | 150 - 160 | 154 |
| FBP | °C | ASTM D86 | 195 Max | 185 |
| Colour | Number | ASTM D1500 | 0 - 0.25 | 0 |
| Copper Corrosion | 3hrs @50 °C | ASTM D130 | - | 2c |
| Total Sulfur | ppm | ASTM D4294 | 2100 Max | 1800 |
| Chlorine Content | Mg/L | ASTM D4929 | 0 | 0 |
| Octane Number | RON | INFRARED | 78 Min | 80 |
| | MON | | 72 Min | 74 |
| Benzene Content | Vol % | ASTM D6730 | 1 - 2 | 1.4 |
| Aromatic Content | Vol % | ASTM D6730 | 8 - 11 | 9.5 |
| Mercaptan Content | PPM | ASTM D3227 | 150 Max | 43 |
| Reid Vapor Pressure (RVP) | kps @ 37.8 °C | ASTM D5191 | 45 - 60 | 55 |
| Olefins Content | Vol % | ASTM D6730 | 0.1 - 1 | 0.4 |
| Oxygen Content | Wt % | ASTM D5845 | 0.01 _≥ | 0 |
| MTBE | Vol % | ASTM D5845 | 0 | 0 |
| Ethanol | Vol % | ASTM D5845 | 0 | 0 |
| Methanol | Vol % | ASTM D5845 | 0 | 0 |

Laboratory Manager

Fatemeh Tahmasebi

+98 21 8306
+98 35 37275200

www.ppany.ir
info@ppny.ir

Light Naphtha



Sulfur
1800 ppm

Density
707

Octan Number
Ron 80
Mon 74

Colour
0