| Unleaded Regular Gasoline | | |
|---|---|---|
| Vapour Pressure | kpa | – |
| Sulphur Total (max) | Mass % | 0.1 |
| Induction Period@100c | Minute | 480 |
| Metallic lead (mix) | g/L | 0.013 |
| Octane Number (Research) (min) | – | 90 |
| Mercaptan Content | Mass % | 0.0005 |
| Color | – | Red |

## Motor Gasoline Specification

| Test | Analysis | Unit | Limit | | Test Method | |
|---|---|---|---|---|---|---|
| | | | Min | Max | Astm | En |
| 1 | Density @ 15.0 ·c | Kg/m3 | 720 | 775 | D1298/D4052 | ISO 3675 |
| 2 | Research Octane Number (See Note1) PREMIUM | - | 95 | – | D2699 | ISO 12185 |
| 3 | Motor Octane Number PREMIUM | - | 85 | – | D2700 | ISO 5164 |
| 4 | Reid Vapor Pressure(See Note2) | - | – | – | See Note 3 | ISO 5163 |
| 4-1 | Spring | KPA | 50 | 62 | D323 | – |
| 4-2 | Summer | KPA | 45 | 60 | D323 | – |
| 4-3 | Fall | KPA | 50 | 65 | D323 | – |
| 4-4 | Winter | KPA | 60 | 70 | D323 | – |
| 5 | Distiillation@760 mmHg:(See Note2) | % V/V | – | – | D 86 | ISO 3405 |
| 5-1 | Evaporated at70°C (Spring,Summer,Fall) | % V/V | 20 | 46 | D 86 | ISO 3405 |
| 5-2 | Evaporated at70°C(Winter) | % V/V | 22 | 46 | D 86 | ISO 3405 |
| 5-3 | Evaporated at100°C(All Seasons) | % V/V | 46 | 71 | D 86 | ISO 3405 |
| 5-4 | Evaporated at150°C(All Seasons) | % V/V | 75 | – | D 86 | ISO 3405 |
| 5-5 | Final Boiling Point(All Seasons) | °C | 190 | 215 | D 86 | ISO 3405 |
| 5-6 | Residue (All Seasons) | % V/V | – | 2 | D 86 | ISO 3405 |
| 6 | Hydrocarbon Analysis | – | – | – | See Note4 | ISO 22854 |
| 6-1 | Olefins | % V/V | – | 18 | D6839/D5986/ D1319 | EN 1601 |
| 6-2 | Aromatics | % V/V | – | 35 | D6839/D5986/ D1319 | EN 13132 |
| 6-3 | Benzene | % V/V | – | 1 | D6277/D5580 | – |
| 7 | Oxygen Content | % M/M | – | 2.7 | – | ISO 22854 |
| 8 | Alcohol | % V/V | – | Nil | – | ISO 22854 |
| 9 | Sulfur | mg/kg | – | 50 | D7039/D2622 / D5453 | ISO 20846 |
| 10 | Lead Content | – | – | Nil | D3237/D5059 | EN 237 |
| 11 | Existent Gum (Washed) | Mg/100ml | – | 5 | D 381 | – |
| 12 | Copper Corrosion(3Hours at50°C) | Scale | – | Class 1 | D 130 | – |
| 13 | Induction Period at 100°C | Minutes | 360 | – | D 525 | – |
| 14 | Color-Green (Absorbance at Maximum Wave Length) (See Note5) | – | – | 0.16 | (SEE NOTE 6 ) | |
| 15 | Mn Content (See Note1) | – | – | Nil | D 3831 | – |
| 16 | Fe Content (See Note 1) | – | – | Nil | D 5863 | – |

Central Office: No.1, West ChaharBagh St., Jannat Abad Ave., Tehran-IRAN Postal Code: 1474765811
Tel: +9821 444 10 541 Fax: +9821 444 20 440 info@eaglepetrochem.com www.eaglepetrochem.com