



FEATURES OF UNLEADED GASOLINE 95 OCTANE PRODUCT (TS EN 228)

| FEATURES | UNIT | LIMIT VALUES | | EXPERIMENT METHOD |
|-------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------|
| | | MINIMUM | MAXIMUM | |
| Appearance | | Clear and shiny | Clear and shiny | Visual inspection |
| Copper Strip Corrosion (3 hours, at 50°C) | Degree | | 1 | TS 2741 EN ISO 2160 |
| Density (at 15°C) | kg/m ³ | 720,0 | 775,0 | TS 1013 EN ISO 3675 TS EN ISO 12185 |
| Distillation Features | | | | TS EN ISO 3405 |
| Evaporation percentage at 70°C, E70 | % v/v | Summer: 20,0 Winter: 22,0 | Summer: 48,0 Winter: 50,0 | TS EN ISO 3924 |
| Evaporation percentage at 100°C, E100 | % v/v | 46,0 | 71,0 | |
| Evaporation percentage at 150°C | % v/v | 75,0 | - | |
| Final boiling point | °C | - | 210,0 | |
| Distillation Residue | % v/v | - | 2,0 | |
| Current gom content (washed with solvent) | mg/100 mL | - | 5,0 | TS EN ISO 6246 |
| Oxidation stability | minutes | 360 | - | TS 2646 EN ISO 7536 |
| Research Octane Number, RON | | 95,0 | - | TS EN ISO 5164 |
| Motor Octane Number, MON | | 85,0 | - | TS EN ISO 5163 |
| Lead content | mg/L | - | 5,0 | TS EN 237 |
| Sulfur content | mg/kg | - | 10,0 | TS EN ISO 20846 TS EN ISO 20884 TS EN ISO 13032 |
| Manganese content | mg/L | - | 2,0 | TS EN 16135 TS EN 16136 |
| Vapour pressure (DVPE)* | kPa | Summer: 45,0 Winter: 60,0 | Summer: 60,0 Winter: 90,0 | TS EN 13016-1 |
| Vapor Lock Index Summer-Winter transition period | | - | 1150,0 | TS EN 228 |
| Hydrocarbon Types Content | | | | TS EN 15553 |
| Olefines | % (V/V) | - | 18,0 | TS EN ISO 22854 |
| Aromatics | % (V/V) | - | 35,0 | |
| Benzene content | % (V/V) | - | 1,0 | TS 7088 EN 238 TS EN 12177 TS EN ISO 22854 |
| Oxygen content | % (m/m) | - | 2,70 | TS EN 1601 TS EN 13132 TS EN ISO 22854 |
| Oxygenated compounds Content | | | | |
| Methanol | % (V/V) | - | 3,0 | |
| Ethanol | % (V/V) | - | 5,0 | |
| Isopropyl alcohol Isobutyl alcohol Tertiary-butyl alcohol alcohol Ethers (5 or more C atoms) Other oxygenated compounds | | | The amount of blending is limited to a maximum oxygen content of 2.7% (m/m). | |

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SUMMER: 1 APRIL – 31 OCTOBER (± 4 WEEKS)

WINTER: 1 NOVEMBER – 31 MARCH (± 4 WEEKS)

* The allowable vapor pressure exemption for the intermediate ethanol content between the values specified in the Chart should be determined by linear interpolation between the ethanol content immediately above and the ethanol content immediately below the intermediate value determined by the methods specified in the Chart.

| Ethanol content % (V/V) | Allowable vapor pressure exemption kPa |
|-----------------------------------|--------------------------------------------------|
| 1,0 | 3,7 |
| 2,0 | 6,0 |
| 3,0 | 7,2 |
| 4,0 | 7,8 |
| 5,0 | 8,0 |



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