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| <br>ΕΛΛΗΝΙΚΗ<br>ΔΗΜΟΚΡΑΤΙΑ<br>ΒΙΟΜΗΧΑΝΙΚΕΣ ΕΓΚΑΤΑΣΤΑΣΕΙΣ ΕΛΕΥΣΙΝΑΣ | <b>ΠΡΟΔΙΑΓΡΑΦΕΣ ΠΡΟΪΟΝΤΩΝ<br/>         ΠΕΤΡΕΛΑΙΟΥ</b> | Ιούλιος 2005<br>ΓΤΔ / 4104 - 56 |
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**(15.2) TABLE**  
**Specifications of Gasoline**

| Type of Gasoline |  | 95 RON  | 100 RON   | 98 RON  | 96 RON LRP  |
|------------------|--|---|---|---|---|
|                  |  | Limits  | Limits  | Limits  | Limits  |
| a/a              | Parameters   |   |   |   |   |
| 1.               | Density at 15 °C, kg/m <sup>3</sup>  | 720-775   | 720-790 max.  | 720-790 max.  | 720-775   |
| 2.               | Vapor Pressure Kpa(PSI) max.<br>- Κλάση Α: από 1/5 έως 30/9<br>- Κλάση Β: από 1/11 έως 31/3<br>- Κλάση C1: 1/4 -30/4 & 1/10- 31/10 | 45(6.2)-60(8.7)<br>50(6.7)-80(11.6)<br>50(6.7)-80(11.6) | 45(6.2)-60(8.7)<br>50(6.7)-80(11.6)<br>50(6.7)-80(11.6) | 45(6.2)-60(8.7)<br>50(6.7)-80(11.6)<br>50(6.7)-80(11.6) | 45(6.2)-60(8.7)<br>50(6.7)-80(11.6)<br>50(6.7)-80(11.6) |
| 3.               | Distillation   |   |   |   |   |
|                  | a) Recovered at 70 °C, %vol  |   |   |   |   |
|                  | - Κλάση Α: από 1/5 έως 30/9  | 20-48   | 10-48   | 10-48   | 20-48   |
|                  | - Κλάση Β: από 1/11 έως 31/3   | 22-50   | 10-50   | 10-50   | 22-50   |
|                  | - Κλάση C1: 1/4 -30/4 & 1/10- 31/10  | 22-50   | 10-50   | 10-50   | 22-50   |
|                  | b) Recovered at 100 °C, vol% min   |   |   |   |   |
|                  | - Κλάση Α: από 1/5 έως 30/9  | 46-71   | 46-71   | 46-71   | 46-71   |
|                  | - Κλάση Β: από 1/11 έως 31/3   | 46-71   | 46-71   | 46-71   | 46-71   |
|                  | - Κλάση C1: 1/4 -30/4 & 1/10- 31/10  | 46-71   | 46-71   | 46-71   | 46-71   |
|                  | c) Recovered at 150 °C, vol% min.  |   |   |   |   |
|                  | - Κλάση Α: από 1/5 έως 30/9  | 75  | 75  | 75  | 75  |
|                  | - Κλάση Β: από 1/11 έως 31/3   | 75  | 75  | 75  | 75  |
|                  | - Κλάση C1: 1/4 -30/4 & 1/10- 31/10  | 75  | 75  | 75  | 75  |
|                  | e) Final Boiling point, °C, max  | 210   | 210   | 210   | 210   |
|                  | f) Distillation residue, %vol, max   | 2   | 2   | 2   | 2   |
| 4.               | Volatility Index (VLI), max  |   |   |   |   |
|                  | - Κλάση Α: από 1/5 έως 30/9  | -   | -   | -   | -   |
|                  | - Κλάση Β: από 1/11 έως 31/3   | -   | -   | -   | -   |
|                  | - Κλάση C1: 1/4 -30/4 & 1/10- 31/10  | 1050  | 1050  | 1050  | 1050  |
| 5.               | Sulfur, mg/kg, max   | 50  | 50  | 50  | 50  |
| 6.               | Lead, g/l, max   | 0.005   | 0.005   | 0.005   | 0.005   |
| 7.               | Octane number RON/MON, min   | 95/85   | 100/87.5  | 98/86   | 96/85   |
| 8.               | Copper corrosion ASTM No, max (3hrs at 50 °C)  | 1   | 1   | 1   | 1   |
| 9.               | Oxidation stability, minutes, min  | 360   | 360   | 360   | 360   |
| 10.              | Existent gums, mg/100ml, max (washed)  | 5   | 5   | 5   | 5   |
| 11.              | Benzene, %vol, max   | 1.0   | 1.0   | 1.0   | 1.0   |
| 12.              | Aromatics, %vol  | 35.0  | 35.0  | 35.0  | 35.0  |
| 13.              | Olefins, %vol  | 18.0  | 18.0  | 18.0  | 18.0  |
| 14.              | Phosphorus   | (c) ∅   | (c) ∅   | (c) ∅   |   |
| 15.              | Oxygenates   |   |   |   |   |
|                  | Total Oxygen, wt%, max   | 2.7   | 2.7   | 2.7   | 2.7   |
| 16.              | Quinizarine mg/l   | 3   | ∅   | ∅   | 10 - 20   |
| 17.              | Potassium mg/kg  |   |   |   |   |
|                  |  | undyed  | undyed  | undyed  | green   |
| 18.              | Colour   |   |   |   |   |
| 19.              | Oxygenates content: % vol, max.  |   |   |   |   |
|                  | Methanol   | 3   | 3   | 3   | 3   |
|                  | Ethanol  | 5   | 5   | 5   | 5   |
|                  | Iso-propyl alcohol   | 10  | 10  | 10  | 10  |
|                  | Eso-butyl alcohol  | 10  | 10  | 10  | 10  |
|                  | tert-butyl alcohol   | 7   | 7   | 7   | 7   |
|                  | Ethers (5 or more C-atoms)   | 15  | 15  | 15  | 15  |
|                  | Ether-oxygenates   | 10  | 10  | 10  | 10  |