



**ENACOL**  
Empresa Nacional de Combustíveis

## GASOIL SPECIFICATIONS

| Analysis                            | Units       | Méthodes Analysis                                               | Specification      |
|-------------------------------------|-------------|-----------------------------------------------------------------|--------------------|
| Cetane Number                       |             | EN ISO 5165, ASTM D 976                                         | 49 mín             |
| Colour                              |             | ASTM D 1500                                                     | 2 máx              |
| Specific Gravity at 15° C           | (Kg/m3)     | EN ISO 3675, ASTM D 1298<br>EN ISO 12185, ASTM D 4052           | 820 mín<br>860 máx |
| Kinematic Viscosity at 40° C        | cSt/(mm2/s) | EN ISO 3104<br>ASTM D 445                                       | 2 mín<br>4.5 máx   |
| Distillation                        |             | EN ISO 3405, ASTM D 86, IP 123                                  |                    |
| % Recovered at 250° C               | % (v/v)     |                                                                 | 65 máx             |
| % Recovered at 350° C               | % (v/v)     |                                                                 | 85 mín             |
| % Recovered at 370° C               | % (v/v)     |                                                                 | 95 mín<br>360 máx  |
| Water By Distillation               | % (v/v)     | ISO 3733, ASTM D 95                                             | 0.05 máx           |
| Sulphur                             | % (m/m)     | ASTM D 1552, EN ISO 14596, ASTM D 4294<br>EN ISO 8754, EN 24260 | 0.1 máx            |
| Flash Point                         | (°C)        | EN 2719, ASTM D 93                                              | 60 mín             |
| Carbon Residue (10%)                | % (m/m)     | EN ISO 10370, ASTM D 189                                        | 0.15 máx           |
| Ash                                 | % (m/m)     | EN ISO 6245, ASTM D 482                                         | 0.01 máx           |
| Sediments                           | % (m/m)     | ISO 3735, ASTM D 473                                            | 0.01 máx           |
| Copper Strip Corrosion (3 H a 50°C) |             | EN ISO 2160, ASTM D 130                                         | 1 máx              |
| Oxidation Stability (g/m3)          | (g/m3)      | EN ISO 12205, ASTM D 2274                                       | 25 máx             |
| Lubricity dmd 1.4 at 60° C          | (µm)        | EN ISO 12156-1, ASTM D 6079                                     | 460 máx            |
| Cloud Point                         | (°C)        | ASTM D 2500, ISO 3015                                           | 1 máx              |
| Pour Point                          | (°C)        | ISO 3016, ASTM D 97                                             | - 6 máx            |
| CFPP                                | (°C)        | IP 309, ASTM D 6371, EN 116                                     | 0 máx              |
| Strong Acid Number                  | (mg KOH/g)  | ISO 6618                                                        | Nil, máx           |
| Total Acid Number                   | (mg KOH/g)  | ISO 6619                                                        | 0,5 máx            |