

Date :  
Number :



in the change of the winds  
sings for those that are wise  
Holy Quran ( Chapter 45 , Verse 6 )

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## D 2

| number | tests                                          | standards norm | method's    |
|--------|------------------------------------------------|----------------|-------------|
| 1      | Cetan number ; min                             | 47             | ASTM D 613  |
| 2      | Cetan Index ; min                              | 51             | ASTM D 976  |
| 3      | Distillation at deg C,                         |                | ASTM D 86   |
|        | 50% distilled at deg C, max                    | 280            |             |
|        | 90% distilled at deg C, max                    | 340            |             |
|        | 96% distilled at deg C, max                    | 360            |             |
|        | Residue and losses after distillation, % max   | 2              |             |
| 4      | Copper strip test (after 3 hour in 50c deg)    | Third deg      | ASTM D 130  |
| 5      | Density at 15C, Kg/cm;                         | 815...860      | ASTM D 4052 |
| 6      | Kinematics viscosity at 20C ,mm/s              | 2,5...6        | ASTM D 445  |
| 7      | Water content and Residue%; max                | 0,05           | ASTM D 2709 |
| 8      | Cinder content , % max                         | 0,01           | ASTM D 482  |
| 9      | Aromatic content %,max                         | 40             | ASTM D 1319 |
| 10     | Sulfur content , % max                         | 0,5            | ASTM D 5453 |
|        |                                                |                | ASTM D 2622 |
| 11     | Flash point C; min                             | 50             | ASTM D 93   |
| 12     | Residue carbon in (10 % distilled residue) max | 0,25           | ASTM D 524  |
| 13     | Cloud point C ; max                            | -10            | ASTM D 2500 |
| 14     | Pour point C ; max                             | -20            | ASTM D 4939 |
| 15     | C F PP ;C                                      | -5             | ASTM D 6371 |
| 16     | Mercaptan content and H2S % max                | 0,01           | GOST        |
| 17     | .Acide number, mg KOH/100ml; max               | 5              | D 3242      |
| 18     | Salts , max                                    | 0,01           | GOST        |
| 19     | Quatrans content ( mg/1000ml )                 | 40             | GOST        |
| 20     | ( Na,Pb,Ca, V)content, mg/l                    |                | GOST        |