

# B 91/115

## Guaranteed technical properties

Aviation gasoline B 91/115 is produced according to stringent manufacturing specifications and meets the requirements of standard GOST 1012-72 and WT-06/OBR PR/PD/60.

|                                       |                            |             |
|---------------------------------------|----------------------------|-------------|
| <b>Colour</b>                         |                            | Green       |
| <b>Knock rating</b>                   |                            |             |
| Motor Octane Number, MON              |                            | Min 91      |
| Performance Number, PN                |                            | Min 115     |
| <b>Distillation</b>                   |                            |             |
| Initial boiling point                 | °C                         | Min 40      |
| 10% vol. at                           | °C                         | Max 82      |
| 50% vol. at                           | °C                         | Max 105     |
| 90% vol. at                           | °C                         | Max 145     |
| 97,5% vol. at                         | °C                         | Max 180     |
| Residue                               | % (v/v)                    | Max 1,5     |
| Loss                                  | % (v/v)                    | Max 1,5     |
| <b>Total sulphur</b>                  | mg/kg                      | Max 300     |
| <b>Lead content</b>                   | gPb/l                      | Max 1,60    |
| <b>Tetraethyl lead content</b>        | g CEO/kg                   | Max 2,5     |
| <b>Density at t=15 °C</b>             | kg/m <sup>3</sup>          | Report      |
| <b>Specific energy</b>                | MJ/kg                      | Min 42,947  |
| <b>Freezing point</b>                 | °C                         | Max (-60)   |
| <b>Copper strip corrosion</b>         |                            |             |
| 2h at t=100°C                         | Corrosion level            | Max 1       |
| <b>Existent gum</b>                   | mg/100ml                   | Max 3       |
| <b>Iodine number</b>                  | gJ <sub>2</sub> /100 g     | Max 2,0     |
| <b>Aromatic hydrocarbons content</b>  | % (m/m)                    | Max 35      |
| <b>Reid vapour pressure at 37,8°C</b> | kPa                        | 29,3 - 48,0 |
| <b>pH of the water solution</b>       | -                          | Neutral     |
| <b>Acidity</b>                        | mg KOH/100 cm <sup>3</sup> | Max 0,3     |
| <b>Oxidation resistance</b>           |                            |             |
| method of induction period            | mg/100 ml                  | Max 6       |

## Characteristics

Aviation gasoline B 91/115 is a mixture of hydrocarbons prepared by the processing of crude oil. It contains antiknock, antioxidant, dye and antistatic additives.

## Application

Aviation gasoline B 91/115 is used to power piston-engine aircraft.

## Stability

Properly stored aviation gasoline meets requirements of the above specification in a period of not less than 24 months from the date of manufacture.

## Classification and labeling

According to the data sheet.

ADR - UN 1203 MOTOR FUEL (GASOLINE), 3, II, (D/E)  
CN CODE - 27101231

Phrases R: 11, 33, 45/23/24/25, 46, 48/20/21/22,  
51/53, 61, 62, 65

Phrases S: 9, 16, 36/37, 38, 45, 53

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