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## COMBUSTIBLE FOR NON-INDUSTRIAL USE TYPE M (ST 2 / 2004)

### TECHNICAL SPECIFICATIONS:

| CHARACTERISTICS   | TECHNICAL CONDITIONS |               | TEST METHOD       |      |           |
|---|----------------------|---------------|-------------------|------|-----------|
|   | Type 0.1             | Type 0.25     | STAS              | ISO  | ASTM      |
| Relative density at 15°C, max.                          | 0.870                | 0.870         | -                 | 3675 | D 1298/85 |
| UNION color, units, max.                                | 4                    | 4             | 34 – 67           | 2049 | D 1500    |
| Cinematic viscosity at 20°C, cSt, min.                  | 6.5                  | 6.5           | 117 - 87          | 3104 | D 445/96  |
| Pensky-Martens flash point, °C min.                     | 55                   | 55            | SR EN 2719        | 2719 | D 93/97   |
| Distillation  |                      |               |                   |      |           |
| - up to 300°C distil, % vol., min.                      | 45                   | 45            | SR ISO 3405       | 3405 | D 86/96   |
| - up to 350°C distil, % vol., min.                      | 80                   | 80            |                   |      |           |
| Mineral acidity and alkalinity                          | Absence              | Absence       | 22 - 64           | -    | D 974/95  |
| Neutralization index, mg KOH/100 cm <sup>3</sup> , max. | 10                   | 10            | 23 - 75           | 6618 | D 974/97  |
| Ash, % max.   | 0.01                 | 0.01          | -                 | 6245 | D 482/95  |
| Sulphur, %, max.  | 0.1                  | 0.25          | SR ISO 8754       | 8754 | D 4294-90 |
| Coke index, %, max.                                     | 0.2                  | 0.2           | SR ISO 6615       | 6615 | D 189/97  |
| Mechanical impurities (centrifugation method)           | Absence              | Absence       | 24/1-89           | 3734 | D 1796/97 |
| Water (distillation method), % max.                     | 0.03                 | 0.03          | 24/2-89           | 3733 | D 95      |
| Freezing point, °C, max.                                |                      |               |                   |      |           |
| - summer  | -5                   | -5            | 39-80             | -    | D 97/96   |
| - winter  | -15                  | -15           |                   |      |           |
| Low calorific power, kJ/kg (kcal/kg), min.              | 44500<br>9900        | 44500<br>9900 | 177-89<br>pct 4.3 | -    | D 4868    |

### GENERAL DESCRIPTION:

Present specification are referring to the **COMBUSTIBLE FOR NON-INDUSTRIAL USE TYPE M** produced from oil fractions obtained by primary distillation of crude oil and secondary processing of certain distillates .

Two types are produced: **COMBUSTIBLE M type 0.1** and **COMBUSTIBLE M type 0.25**.

### APPLICATIONS:

**COMBUSTIBLE M type 0.1** - custom code 2710.19.45 is used as combustible for technologic purposes or for hot water and heating agent processing.

**COMBUSTIBLE M type 0.25** - custom code 2710.19.49 , as per low in force regarding to the reducing of liquid fuels sulphur content, can be used for searching and trial purposes, processing before final burning and specific treatment in other refineries.

*End users are sole responsible for not using the product in accordance with producer's prescriptions and import country legislation in force.*

### SAFETY MEASURES:

Product is delivered in clean suitable means of transport, each lot being accompanied by quality, quantity certificates and transport safety data sheet. As product is flammable, usual caution measures of fire prevention have to be taken when handling and storing this product.

**Note:** The info in this technical sheet is valid until the 31st of December, 2008. We ask you to contact STEAUA ROMANA REFINERY in order to see if the document has been revised .