



Institute for
Interlaboratory Studies

Certificate of Analysis

Reference Material FO-240399

Fuel Oil

Reference Material FO-240399 consists of a 25 mL ampoule with approximately 22 mL of low viscosity bunker Fuel Oil No. 6. This RM is intended primarily as a quality control material for use in the determination of Micro Carbon Residue in accordance with ASTM D4530.

Certified Property Values

The certified value is given in table 1 and has been derived from the results obtained from an international interlaboratory study in which 40 laboratories in 30 different countries participated. The results of this interlaboratory study are presented and discussed in the PT report iis99F01. A separate certification report about the RM evaluation can be ordered, see www.iisnl.com.

Table 1. Certified value^b for FO-240399.

<u>Parameter</u>	<u>Certified value^a</u>
Micro Carbon Residue, %M/M	16.86 ± 0.20

a) The estimated uncertainty is given as 95% confidence limits, see the certification report.

b) The following value was also determined for this RM. This value is not certified, but for indication only.
Density at 15°C, kg/L: 0.98176 ± 0.00012

NOTICE AND WARNINGS TO USERS


Shelf life: The preparation of this RM was finished at March 24, 1999. When stored properly and unopened, the expire date of this RM is **December 2023**. The validity of the RM ampoules in stock is regularly verified by analytical testing by an ISO/IEC17025 accredited laboratory. If there is any doubt about the validity of the RM you are advised to contact iis (nl.iis@sgs.com).

Storage: Ampoules should be stored in a dark and cool place, preferably at a temperature between 0°C and + 10°C.

Suggested procedure for use of the RM as quality control sample: Warm the ampoule to a temperature between +25°C and +35°C. Do not keep the contents at this temperature for longer than one hour. The contents must be mixed to ensure homogeneity before opening the ampoule and taking a sample for analysis. Once the ampoule has been opened, the material is susceptible to contamination (e.g. laboratory dust or vapors) or losses. Certified values are not applicable to ampoules stored after opening, even if resealed.

Safety handling instructions: Fuel Oil is harmful if swallowed; therefore, care should be exercised during handling and use. Use proper methods for disposal of waste.

Spijkensisse, The Netherlands
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