



ISO 8754

**Petroleum products —
Determination of sulfur content
— Energy-dispersive X-ray
fluorescence spectrometry**

*Produits pétroliers — Détermination de la teneur en soufre —
Spectrométrie de fluorescence de rayons X dispersive en énergie*

**Third edition
2025-08**



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This third edition cancels and replaces the second edition (ISO 8754:2003), which has been technically revised.

The main changes are as follows:

- the Scope has been expanded to biofuel and biofuel blends without precision statement;
- procedures for matrix corrections have been described in [A.3](#);
- [Clause 3](#) (Terms and definitions) has been added;
- Bibliography has been added.

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A specialized procedure, using the analytical technique described in this document, for automotive fuels with sulfur contents below 0,20 % mass fraction, is covered by ISO 13032.

This test method can be used for biofuel or biofuel blends. The correction of matrix effects with regards to oxygen content are described in [A.3](#). Biofuel or biofuel blends were not tested during the determination of the precision of the test method.