

# Analysis Laboratory – San Filippo del Mela

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The Analysis Laboratory of the Research Center at San Filippo del Mela is able to perform most of the tests necessary for **petroleum products**, particularly for trials taking place in the pilot plants of the Center.

The laboratory is composed by six fixed laboratories and by a mobile laboratory and on average performs **6000 tests per year**.

The Laboratory of the Research Center in Milazzo is **certified by SINAL** (now Accredia) according to UNI CEI EN ISO / IEC 17025:2005. Since December 2007, the laboratory is the SINAL lab n°0765, with 14 certified tests, in particular pro Emission Trading. For some tests, the Laboratory is the only one to be certified within Eni and even the only one in Italy.



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## Certified Tests

ASTM D 5291-02 (2007)	Carbon, Hydrogen, Nitrogen on petroleum products and lubricants
ASTM D 5373-08*	Carbon, Hydrogen, Nitrogen on Coal
ASTM D 6293-98 (2003)*	Hydrocarbons on gasoline
UNI EN 27941: 1995	Propane and Butane on LPG
DIN 51666:2007	Composition, Carbon, Heat Power on fuel gas
UNI EN ISO 6974:2004 (1,2,3)	Hydrogen, Helium, Oxygen, Nitrogen, CO <sub>2</sub> , Methane, Ethane, Propane, Butane, Pentane, Exane and superiors on natural gas
UNI EN ISO 12185:1999	Mass (Density at 15°C) on crude oil and products
ASTM 5142-04*	Coke humidity
ISO/TS 12902:2001*	Carbon, Hydrogen, Nitrogen on Coke
ISO 6976: 1995*	Heat power, Density, Relative Density, Wobbe Index on natural gas
ISO 22854:2008*	Alkanes, Aromatics, Olefins, etc. on gasoline
ASTM D 6839-02 (2007)*	Alkanes, Aromatics, Olefins, etc. on gasoline
ASTM D 5443-04*	Paraffins, Naftens, Aromatics on gasoline
UNI EN 27941:1995 +MZ-IOCE0017*	Carbon on LPG

\* for these tests the lab is the only one in Eni to be certified



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