

CRM ROFA

Certified Reference Material



USAGE OF ROFA CERTIFIED REFERENCE MATERIAL

What is a ROFA CRM?

Definition RM (ISO guide 30)

Material or substance with certain properties that are sufficiently homogeneous and well defined to allow them to be used for calibration of a device, evaluation of a measurement method or attribution of values to materials

Definition CRM (ISO guide 30)

Material accompanied by a certificate whose properties are certified by a procedure validated with uncertainty at a known level of confidence

Nature of CRM ROFA

Petroleum products to calibrate analytical devices used in test laboratories around the world



Products Concerned

*Gasoline / Diesel / Kerosene /
Lubricants / Biofuels*

What are the main parameters we certify?

Density, Distillation, Flash Point Pensky Martens, Trouble Point, Flow Point, Filter Limit Temperature, Freezing Point, Steam Tension, Viscosity, Benzene, Aromatic, Flash Point Abel, Flash Point TAG, Aniline, Smoke Point, Sulphur, Cetane Number, Octane Number, FAME content.

Interests of ROFA CRM

Analytical performance

Certified Reference Materials (CRM) are essential to give analysts the assurance that their measurements are reliable: they form a reliable match with the international system, a recurring requirement in the world of measurement.

The use of the CRM and its certified values can validate or disprove the performance of a measurement system.



Use of ROFA CRM

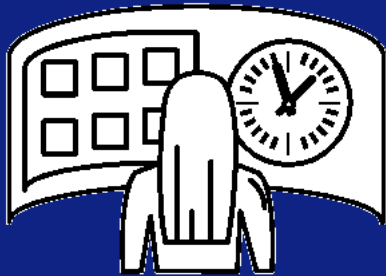
Metrology *Calibration, fitting and verification*

*Certified Reference Materials (CRM) are used to calibrate the analysis devices used in test laboratories, comparing the value displayed by the device with the reference value.
The analysis device may eventually be matched to reference values.*

But CRM can be used simply to verify that a measuring device meets the specific requirements of the user.



Use of ROFA CRM



Quality control

By introducing the CRM into a batch of analysed products and for statistical mastery of the processes.

Checking the application of standard methods

The CRM is used to verify the proper application and implementation of standard methods for the field of activity.



Use of ROFA CRM



Design, development and validation of new analytical devices and methods

Comparison to reference values is essential for the validation of a new measurement or analysis process.