



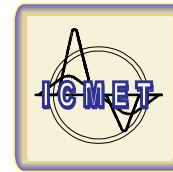
ICMET CRAIOVA

ICMET Craiova has testing/calibrations laboratories accredited by:

- RENAR for High Voltage, High Power, Electromagnetic Compatibility, Fire Safety and Low Voltage Testing



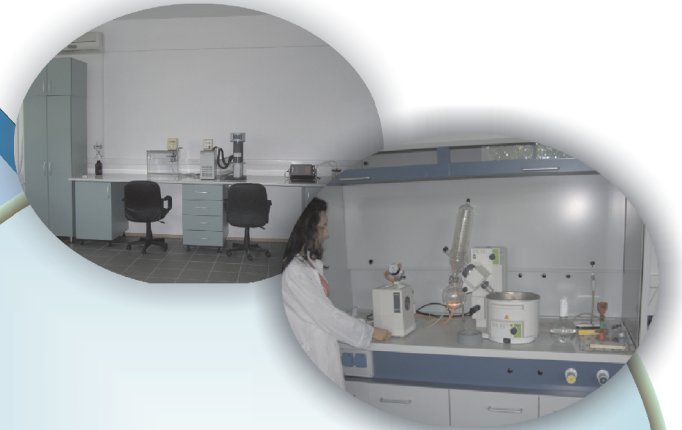
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**NATIONAL INSTITUTE FOR RESEARCH,
DEVELOPMENT AND TESTING
IN ELECTRICAL ENGINEERING
ICMET Craiova**

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**Electric Materials
Laboratory**



Electric Materials Laboratory (LME), developed and modernized during 2007 - 2009 within CAPACITAȚI program funded by National Authority for Scientific Research, performs complex tests on electric materials, electronic products and parts in accordance with national and international standards

LME offers the following services:

DIELECTRIC TESTS AND PHYSICAL-CHEMICAL DIAGNOSIS OF ELECTRO-INSULATING SOLID MATERIALS

Electroinsulating varnishes, paints

- coating thickness determination (EN ISO 2808)
- coating adherence determination (EN ISO 2409)



Metallic protection coat

- metal adherence determination (EN ISO 2819)
- layer thickness determination (EN ISO 2409)



Core of polymeric insulators

- porosity and water penetration test (IEC 62217)

Cellulosic insulation: electro-insulating board and paper

- dielectric tests (dielectric strength, $\tan \sigma$, permittivity) (IEC 60296)
- measurement of the degree of polymerization (IEC 60450)

DIELECTRIC TESTS AND PHYSICAL-CHEMICAL DIAGNOSIS OF OIL TRANSFORMER

- determination of dielectric strength (IEC 60156)



- water content determination (IEC 60814)

- interfacial tension determination (IEC 60296)



- DGA analysis (IEC 60567)

- determination of oxidation stability (IEC 61125)



- determination of furan compound content (IEC 61198)

- measurement of dielectric dissipation factor (IEC 60247)



- determination of sulfur corrosive action (ISO 2160)



- determination of flash point (SR EN ISO 2719)



- determination of moisture saturation degree (IEC 60422)

- neutralization number determination (IEC 62021)

- particle count determination (IEC 60970)