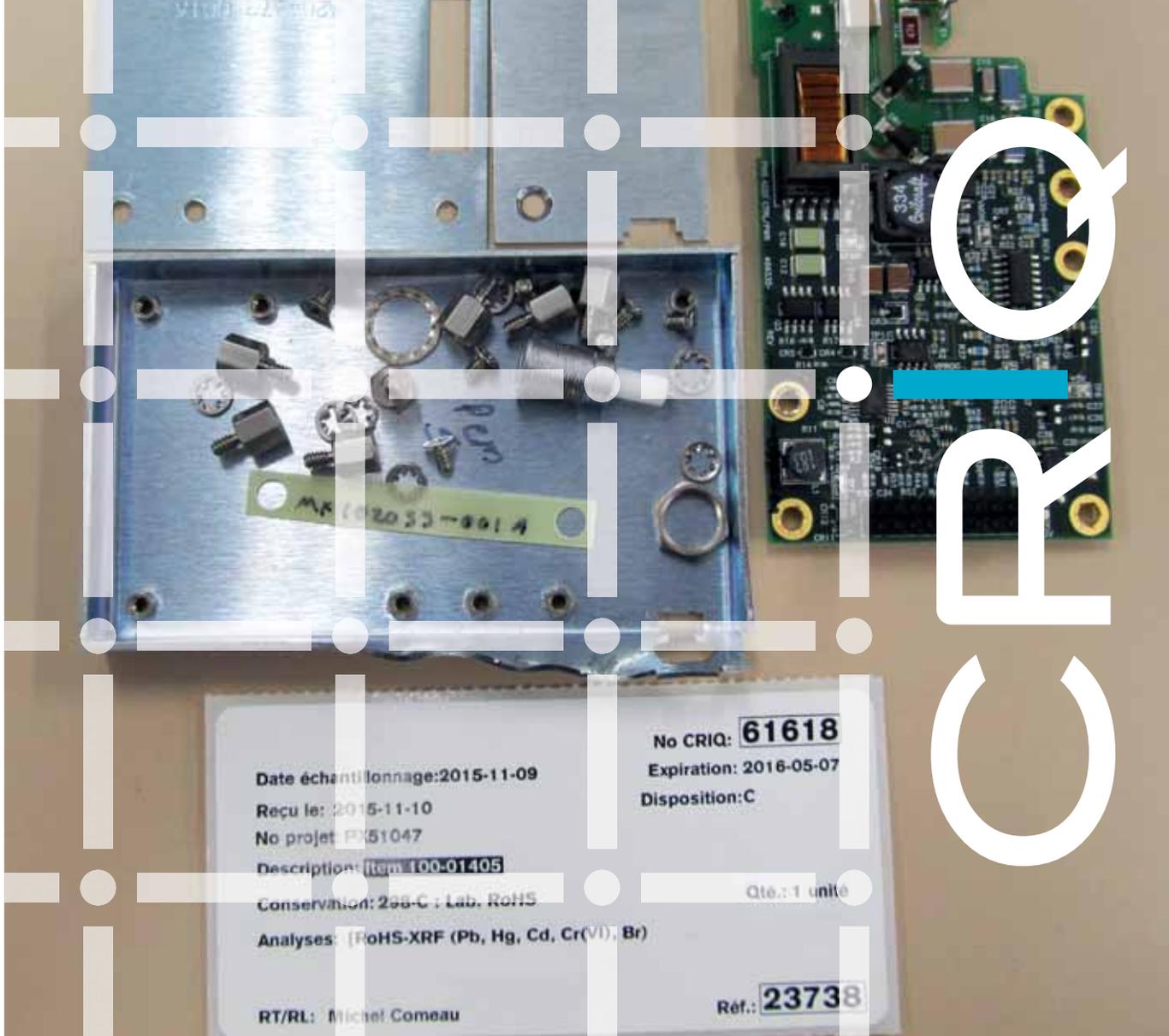


Chemical Analyses



Chemical
characterization
and safety
assessment

CRIQ chemical analyses can detect the presence of chemical compounds and contaminants in products and determine the physical and chemical properties of materials. This service is available for any product subject to environmental requirements, whether intended for export or not.

SPECIALIZED FACILITIES, A RANGE OF FIELDS

Our chemical analyses allow us to characterize products and assess their chemical safety. In our laboratories we perform a variety of characterization and quantification tests. For example, we can determine plastic material and precious metal content. CRIQ is also renowned for its expertise in compliance verification, including for packaging, end-of-life vehicles, and RoHS compliance.

Chemical analyses

Chemical characterization and safety assessment



SOME AVAILABLE TESTS:

Plating measurement

An analysis that determines the metal(s) used for plating and their thickness.

RoHS

An analysis that determines the concentration of lead, cadmium, mercury, hexavalent chromium, and polybrominated compounds in various products. This service is available for the environmental compliance certificate required for export to Europe and for other situations as well.

Identification of metals in alloys

An analysis used to determine the metal constituents of an alloy and identify the alloy in question.

Presence of flame retardants

An analysis that indicates the presence of specific polybrominated compounds used to reduce the flammability of certain products. This service is available for the environmental compliance certificate required for export to Europe and for other situations as well.

Identification of product constituents and contaminants

A service that employs specialized devices (FTIR, XRF, GCMS, HPLC) to identify unknown substances and contaminant levels.

Foreign bodies

An analysis that determines the presence of inert contaminants (metals, glass, plastics, etc.) in compost.

Respirometry

An analysis that determines compost maturity.

Alloy identification

X-ray fluorescence (XRF) analysis of metal parts to determine alloy type.

For information or advice on chemical analyses:

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