

FY2003 Market Monitoring Test Results

Product Safety Test

“Household Pressure Cookers and Pressure Pots”

(National Institute of Technology and Evaluation)

In FY2003, NITE conducted a test of “Household Pressure Cookers and Pressure Pots” which are regulated by the Consumer Product Safety Law.

NITE received reports of four incidents involving products of the same manufacturer in which the lid suddenly blew off and flew into the air while in use, resulting in damage to the extractor hood.

The manufacturer has discontinued sale of the concerned pressure cookers and is conducting a recall citing component defects as the causal factor. NITE also implemented tests on a similar pressure cooker to check the safety of the product.

The photograph shows the sample pressure cooker used in the test.

- (1) arm
- (2) lid
- (3) body
- (4) stopper
- (5) handle
- (6) safety valve
- (7) screw handle
- (8) pressure-regulator

When the internal pressure of the cooker was raised the lid blew off before the pressure-regulator was activated. The cooker splashed out its contents in all directions, even reaching the ceiling when the lid blew of.

In general, the temperature of the pressurized contents can exceed 100 degrees Celsius, thus, there is a risk of accidental burn injury from direct contact with the contents.

From the test scene

The pressure indicated 49kPa when the lid flew.