

# Check of Quality Criteria

Drop and Spill-resistance test

**Toshiba PORTÉGÉ M300**



For details see Test Report No. 21117405\_001

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1 TÜV Rheinland Product Safety GmbH

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TÜV Rheinland Group

# Drop test



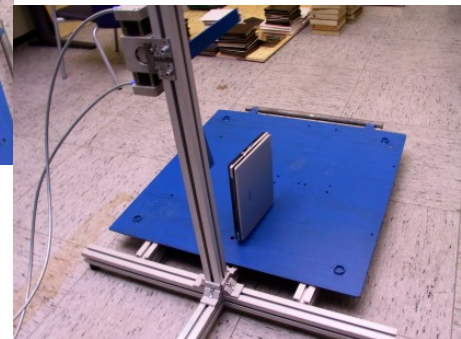
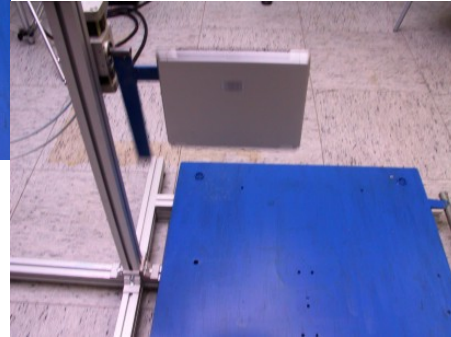
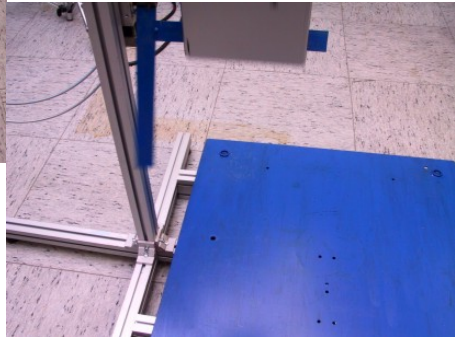
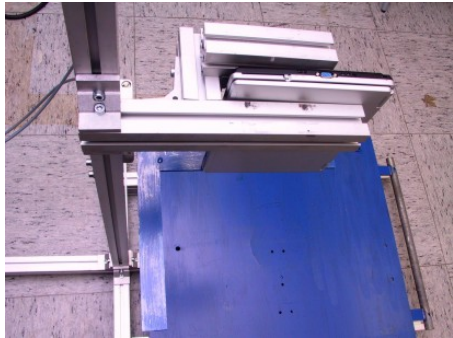
## Test specification:

- ⇒ Drop the notebook on a steel plate.
- ⇒ Drop height is 72 cm  $\pm 0,5$  cm (typical height of a desk) and 90 cm  $\pm 0,5$  cm.
- ⇒ Drop onto each of the 4 sides (right, left, back and front).
- ⇒ Repeat the test three times for each height and side.
- ⇒ During drop the notebook is switched off and the LCD panel is closed.
- ⇒ Turn on the notebook after each drop test and evaluate the boot operation.

NOTE: Definition of boot operation: The operating system (Windows XP) will start and the desktop appears.

# Drop test result

⇒ The notebook boots after **each** drop test.



# Spill-resistance test



NOTE: Allegory

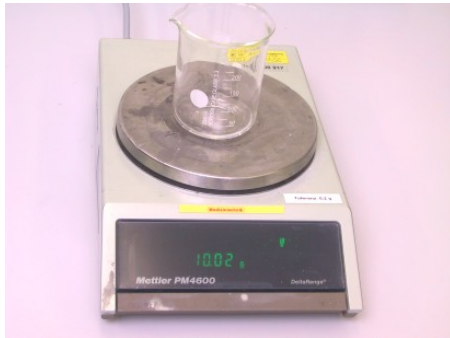
## Test specification:

- ⇒ Turn on the notebook and connect it to the power cord.
- ⇒ Spill water between key 'G' and 'H'.
- ⇒ Observe the notebook for 3 min.
- ⇒ Turn the notebook off and wipe the water with a dry paper towel/cloth.
- ⇒ Dry the notebook for further 24 hours in a typical office environment.
- ⇒ Do the spill resistance test with **10 ml, 20 ml, 30 ml, 40 ml** and **50 ml** water ( $\pm 0,2$  ml).
- ⇒ Turn on the notebook after each spill resistance test and evaluate the boot operation.



# Spill-resistance test result

⇒ The notebook boots after **each** spill-resistance test.



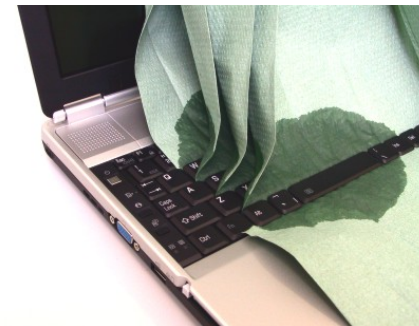
Weighing of the water



Spilling of the water



Observing the notebook



Drying of the notebook

