

# Internal Siliconization Test



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## Scope.

To evaluate the conformity of the internal siliconization of ampoules and vials with a method which can provide a semi-quantitative result. This method can give a good evaluation of the internal siliconization level by improving the simple response given by the present/not present test.

## Materials.

- Testing emulsion:
  - 600 g demineralized water
  - 10 g sodium alginate
  - 300 g glycerin
  - 100 g zing oxide

Prepare the test emulsion fresh and shake well before use.

- Timer

## Method.

Fill the containers with about 2/3 of the nominal volume of test emulsion. Shake the containers for about 30 seconds then put them upside down and check how long the test emulsion takes to drain out, leaving the inner glass surface clean. Only isolated droplets of the test emulsion may remain in the container.

## Acceptance criteria.

**Internal siliconization conform:** the test emulsion drains out of the vials quickly (less than 15 seconds);

**Internal siliconization not conform:** the test emulsion drains out of the vials slowly (above 25 seconds).

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