

New Spectroquant® Test

Calcium Test for measuring low Ca concentrations

- Method:** In alkaline solution calcium ions react with a phthalein derivative to form a violet dye that is determined photometrically.
The 8-hydroxyquinoline contained in reagent Ca-1 prevents interferences by magnesium and iron.
- Range:** 0.20 – 4.00 mg/l Ca
Cell 10 mm rectangular cell
- No. of tests:** 100
- Shelf life:** 24 month
- Storage conditions:** + 15 - + 25 °C
- Order No.:** **1.00049.0001**
- Non-binding List price:** Contact your local Merck companies or Merck agents



Applications: Calcium is an important parameter for the boiler and cooling water. If the water contains calcium, depositions can be found in the plants and this can influence the function of the machines. Calcium needs to be analysed in drinking water and especially in beer. If the calcium in beer is too high, the beer can become turbid and this causes a negative view of the beer and consumers believe that the beer is not good and wont drink the beer anymore. A special application sheet for beer describes the sample pretreatment and analysis after dilution of the beer. This application can be downloaded from the internet.

Sample material: Groundwater and surface water
Drinking water and mineral water
Boiler water and cooling water
Beer after appropriate sample pretreatment

Benefits: The new Calcium reagent test kits with the low range allows to measure more sensitive as our existing calcium tests kits. Customers running boilers and cooling water plants can measure their processes more precisely at the low levels in which they are interested in. For the breweries the new calcium test allows to measure the calcium in beer. After dilution the colour of the beer doesn't interfere anymore and they are able to analyse the Calcium content correctly.

More details: See package insert in the Internet: <http://photometry.merck.de>