

Solubility product of calcium hydroxide

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Practical:

Intended academic level

Level 1

Duration

6 hours (including write up)

Learning Outcomes

Determine the solubility of calcium hydroxide in water and aqueous sodium hydroxide. Use the results to calculate the solubility product of calcium hydroxide. Discuss why the equilibrium constant is far from constant (apart from experimental error).

Materials

White coat, safety goggles. Flasks, burette, filtration equipment, pipette and filler. Standard NaOH solutions, solid calcium hydroxide.

Costs

Next to nothing

Further comments

Used successfully at UMIST for many years

Reading

Chemical principles, the quest for insight. Peter Atkins, Loretta Jones (1999), New York: W.H. Freeman (p530)

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