

KF Application Note No. K- 46

Title:	Water in calcium carbonate (chalk, lime)
---------------	---

Summary:	The water content in Ca carbonate is determined in accordance to volumetric Karl Fischer titration
-----------------	--

Sample:	Chalk-/Lime-powder
----------------	--------------------

Sample Preparation:	none
----------------------------	------

Instruments and Accessories:	701 or 720 or 758 Titrino, 703 Titration Stand, 6.2412.000 Weighing Spoon, Printer
-------------------------------------	--

Analysis:	Pour about 25 mL solvent into the titration vessel and condition it. Add about 2 ... 3 g sample with the weighing spoon (determine the sample size by difference weighing) and titrate the water content. Change the solution after each titration. Solvent: Hydranal Solvent (Riedel de Haen) Titrant: Hydranal Titrant 5 (Riedel de Haen)
------------------	---

Results:	AVG(3) = 0.17 +/- 0.006 % water
-----------------	---------------------------------

Settings:	701 KF Titrino > titration parameters - extr. time 0 s - stop crit.; drift - stop drift 30 µL/min > preselections - conditioning: on - req.smpl size: on - report: full
------------------	--