## CERTIFICATE

is to certify that the data embodied in This the thesis entitled "Hardness and Chemical Dissolution of Crystalline Materials [ NaCl, KCl, KBr ]" is an original piece of work carried out by Shri Raveendran. R immediate supervision and guidance. under my He has put in research for the requisite number of terms as required by the university. It is also certified that the work has not been submitted to any other university/institute for any research degree.

Japanola

( Prof. J. R. PANDYA) Guiding Teacher.