



Fig.2. Diffractometer traces of sepiolite (A) and palygorskite (B) under water vapor pressure of  $2000 \text{ kg/cm}^2$ ,  $T$  100 to  $700^\circ\text{C}$ , 22 - 48 hour runs

T - talc; Cr - cristobalite; Q - quartz; initial n.c. - palygorskite freed of calcite ; M - montmorillonite; M-X - mixed layer phase - montmorillonite-chlorite; Cor - cordierite