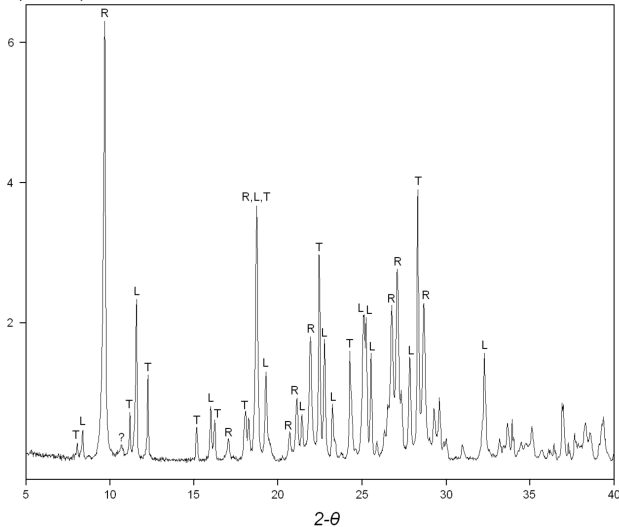


Counts (\*10000)



Sup. Fig. 1 Powder diffraction profile of the synthesized product, a mixture of trihydrate (T), rhomboclase (R) and lausentite (L). For clarity, not all peaks are marked. The peak at  $10.7^\circ$  with a question mark is not indexed to any known ferric sulfate phases. CuK $\alpha$  radiation was used.