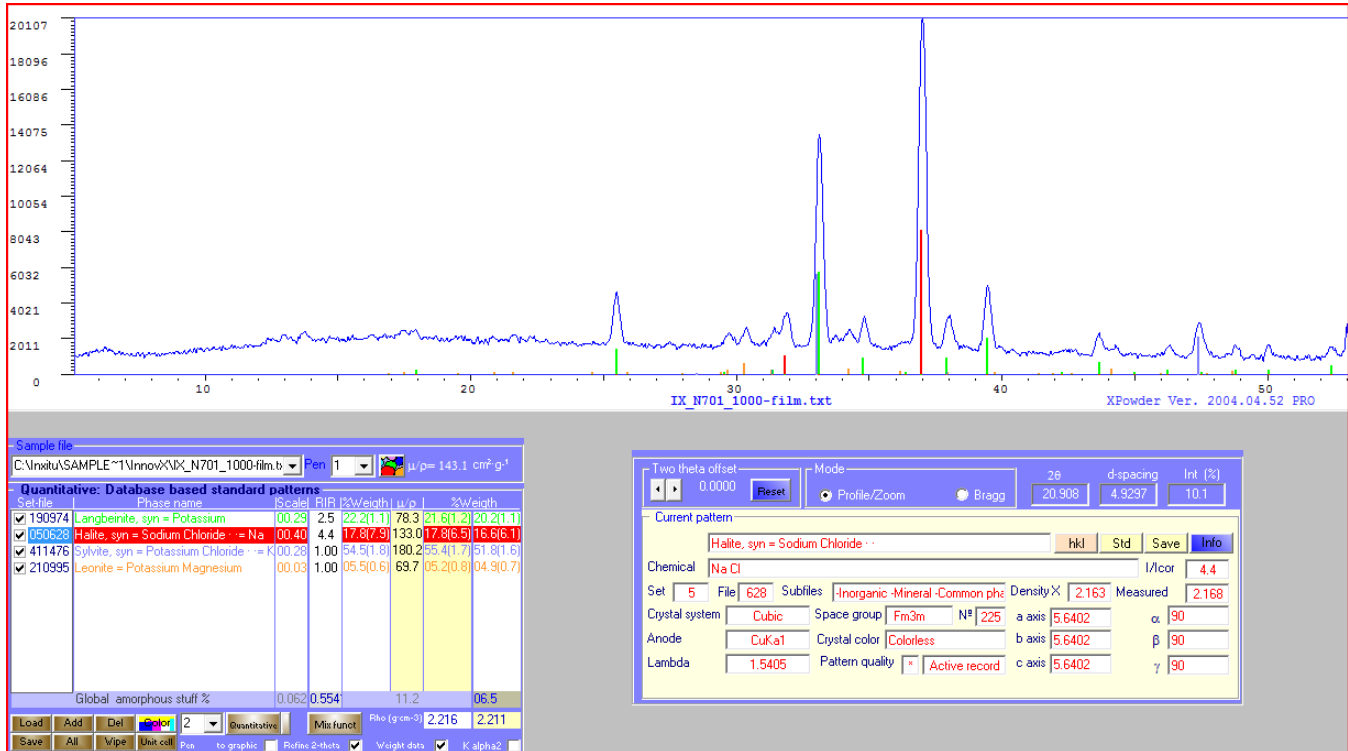


**Summary:** Two Potash samples were received for semiquantitative analysis. The samples were coarsely ground and sieved to <150um. Data collection was performed on Terra using default conditions. The resulting data was analyzed for phase identification and a subsequent semiquantitative analysis of the identified minerals performed.



**Discussion:** The major and minor phases, Sylvite, Halite, Langbeinite, and Leonite were identified. From this analysis phases above ~1% were easily identified.

A further refinement of the scans was performed using the available program Sietronics Siroquant:

Phase	Sample A: calc %	Sample A: given %	Sample B: calc %	Sample B: given %
Sodium Chloride	41	35.79		
Langbeinite	41	41.75		
Leonite	13	6.53		
Potassium chloride	6	7.81		
Polyhalite	ND	0.71	4	3.9
Halite			69	69.4
Sylvite			23	21.4