Alunite D3011643
Mass: 130.4 mg, Steps: 30

650-690°C

\( E = 99 \text{ kcal/mol} \) (414 kJ/mol)
\( D_0/r_0^2 = 6.6e+17 \text{ s}^{-1} \)
For 20°C/Ma 0 kbar closure at 428°C

\( E = 106 \text{ kcal/mol} \) (444 kJ/mol)
\( D_0/r_0^2 = 2.4e+17 \text{ s}^{-1} \)
For 20°C/Ma 0 kbar closure at 443°C

6:5:2 = \( 4\text{CaCO}_3 + 2\text{CaCl}_2 + \text{KCl} \)
mixing dominated by release of gas from inclusions?

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3.52 Ma ± 0.034 %
with 0.2% excess \(^{40}\text{Ar}\).
Chi 0.32 in the 95% c.l.
f=4 [0.11 - 1.63]

3.52 ± 0.04 Ma (95% c.l.)
3.21 ± 0.13 Ma (95% c.l.)

No steps shown with <0.01% gas release
Steps with SD >1 Ma omitted
Uncertainties shown as 2σ

Percentage \(^{39}\text{Ar}\) released

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