

Freezing Temperature (°C)

-34 -32 -30 -28 -26 -24 -22 -20 -18 -16 -14 -12 -10 -8 -6 -4 -2 0

Fluka Kaolinite \*

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 $T_{50} = -18.1\text{ }^{\circ}\text{C}$  $\Delta T_{50}^{\text{wet}} = -3.3\text{ }^{\circ}\text{C}$  $\Delta T_{50}^{\text{dry}} = -1.3\text{ }^{\circ}\text{C}$ 

KGa-1b Kaolinite

 $T_{50} = -23.1\text{ }^{\circ}\text{C}$  $\Delta T_{50}^{\text{wet}} = -0.4\text{ }^{\circ}\text{C}$  $\Delta T_{50}^{\text{dry}} = +1.0\text{ }^{\circ}\text{C}$ 

SWy-2 Montmorillonite \*

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 $T_{50} = -12.7\text{ }^{\circ}\text{C}$  $\Delta T_{50}^{\text{wet}} = -2.2\text{ }^{\circ}\text{C}$  $\Delta T_{50}^{\text{dry}} = -0.3\text{ }^{\circ}\text{C}$ 

Sigma Montmorillonite

 $T_{50} = -11.5\text{ }^{\circ}\text{C}$  $\Delta T_{50}^{\text{wet}} = -0.5\text{ }^{\circ}\text{C}$  $\Delta T_{50}^{\text{dry}} = +2.1\text{ }^{\circ}\text{C}$ 

Chlorite \*

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 $T_{50} = -18.5\text{ }^{\circ}\text{C}$  $\Delta T_{50}^{\text{wet}} = -2.4\text{ }^{\circ}\text{C}$  $\Delta T_{50}^{\text{dry}} = -4.0\text{ }^{\circ}\text{C}$ 

Blank test #1

Blank test #2

Blank test #3

Wet heat handling blank

Dry heat handling blank

■ Non heated

■ Wet heated (95 °C for 30 min)

■ Dry heated (250 °C for 30 min)

★  $T_{50}$ 