

Supplemental Information

Synthesis, crystal structure, magnetic properties and stability of the manganese-rich “Mn₃AlC” kappa phase

Hannes Dierkes, Jan van Leusen, Dimitri Bogdanovski, Richard Dronskowski*

Institute of Inorganic Chemistry,
RWTH Aachen University, Landoltweg 1,
52056 Aachen, Germany

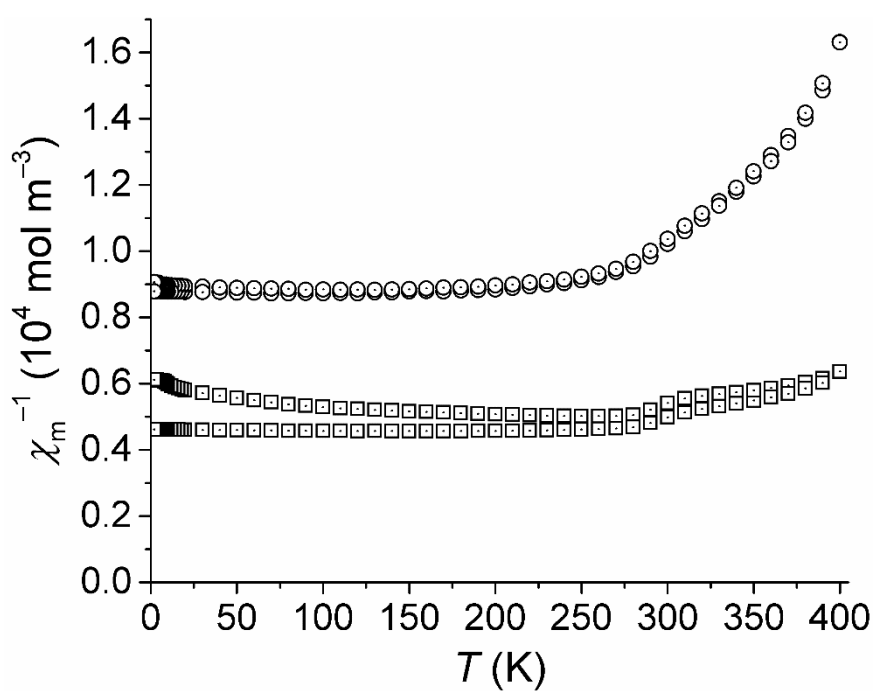


Figure S1: Inverse molar magnetic susceptibility χ_m^{-1} vs. temperature T at 0.01 T (open squares) and 0.1 T (open circles).

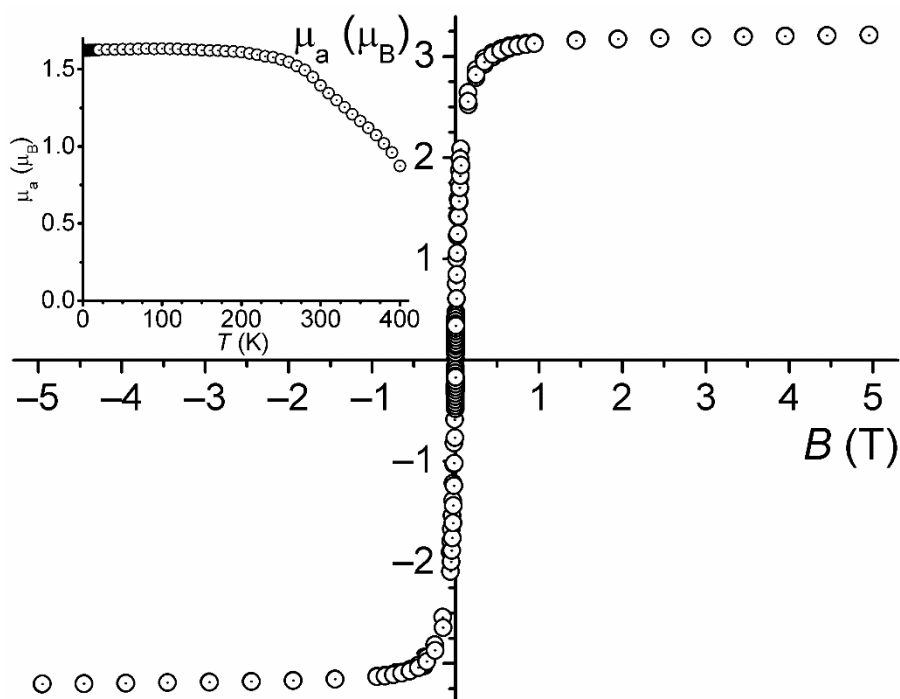


Figure S2: Hysteretic loop of $\text{Mn}_{3.1}\text{Al}_{0.9}\text{C}$ at 5 K; inset: magnetic moment per formula unit μ_a vs. temperature T at 0.1 T.