Relating Highly Distorted Jahn-Teller MnO$_6$ to Colouration in Manganese Violet Pigments

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Fig. S1 UV-visible spectrum of the $\alpha$-NH$_4$MnP$_2$O$_7$, showing raw data (─), fitted Gaussian bands (---) and sum of the fitted Gaussian bands (----). Peak positions are marked.

Fig. S2 Variable temperature XRD of the VM42 compound heated under nitrogen. Arrows indicate peaks that do not belong to the Mn$_3$P$_2$O$_{12}$ phase.
Fig. S3 TGA-MS Plot for VM42 heated under nitrogen