Supporting Information for:

$MgTeMoO_6$: A Neutral Layered Material Showing Strong Second-harmonic Generation

Junjie Zhang, Zhonghan Zhang, Youxuan Sun, Chengqian Zhang, Shaojun Zhang, Yang Liu, Xutang Tao*

State Key Laboratory of Crystal Materials, Shandong University, Jinan 250100, Shandong, China

txt@icm.sdu.edu.cn

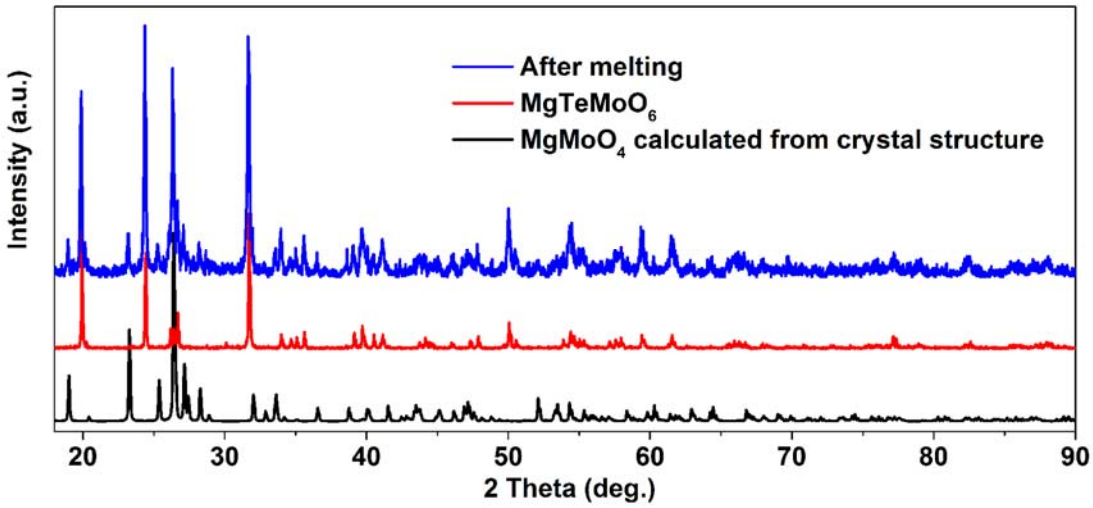
Table S1. Atomic coordinates ($\times 10^4$) and equivalent isotropic displacement parameters ($Å^2 \times 10^3$) for $MgTeMoO_6$.

Fig. S1. Powder X-ray diffraction pattern of the residue of $MgTeMoO_6$ after differential scanning calorimetry and thermogravimetric analysis measurements.

Fig. S2. The theoretical morphology of $MgTeMoO_6$ established by using the Mercury program with its structural parameters according to the Bravais-Friedel and Donnay-Harker (BFDH) methods.

Table S1. Atomic coordinates ($\times 10^4$) and equivalent isotropic displacement parameters ($Å^2 \times 10^3$) for $MgTeMoO_6$. U(eq) is defined as one third of the trace of the orthogonalized U_{ij} tensor.

Atom	x	y	z	U(eq)
Te	0	0	2433(1)	7(1)
Mo	0	0	6913(1)	8(1)
Mg	0	5000	309(2)	9(1)
O(1)	2219(5)	1697(5)	1058(3)	11(1)
O(2)	2351(5)	6741(6)	2052(3)	11(1)
O(3)	3539(6)	2854(5)	4250(3)	15(1)



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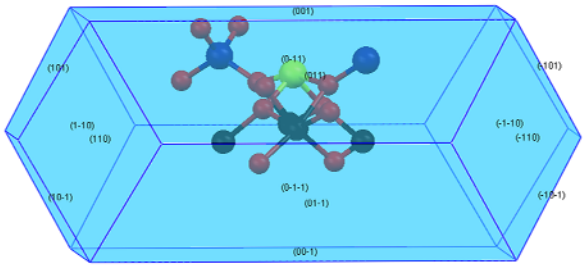

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