



>>Entry Name: Titanium(III) sulfate

Synonym(s): Titanous sulfate. Titanium sesquisulfate

CAS Registry Number: 10343-61-0

$\text{Ti}_2(\text{SO}_4)_3$

Molecular Formula: $\text{O}_{12}\text{S}_3\text{Ti}_2$

Molecular Weight: 383.951

Accurate Mass: 383.751084

Percentage Composition: O 50.00%; S 25.05%; Ti 24.94%

Source/Synthesis: Synth. by electrolytic redn. of $\text{Ti}(\text{SO}_4)_2$

Physical Description: Green cryst. powder

Solubility: Insol. H_2O

References:

Brauer, G., *Handb. Prep. Inorg. Chem.*, 2nd edn., Academic Press, 1965, **2**, 1226-1228, (*synth*)

Blondel, B. *et al.*, *Bull. Soc. Chim. Fr.*, 1968, 101-104, (*synth, cryst struct*)