



>>**Entry Name:** Sodium dithionate

Synonym(s): Sodium hyposulfate

CAS Registry Number: 7631-94-9

$\text{Na}_2(\text{S}_2\text{O}_6)$

Molecular Formula: $\text{Na}_2\text{O}_6\text{S}_2$

Molecular Weight: 206.108

Accurate Mass: 205.893164

Percentage Composition: Na 22.31%; O 46.58%; S 31.12%

Source/Synthesis: Synth. from MnS_2O_6 + Na_2CO_3

Use/Importance: Strong reducing agent

>>**Derivative:** Dihydrate

CAS Registry Number: 10101-85-6

Physical Description: Cryst. (H_2O)

Solubility: V. sol. H_2O

Other Data: Loses H_2O of cryst. at 110°

References:

Inorg. Synth., 1946, **2**, 170-171, (*synth*)

Beattie, I.R. *et al.*, *J.C.S.(A)*, 1969, 1001-1008, (*ir, Raman*)

Kirfel, A. *et al.*, *Acta Cryst. B*, 1980, **36**, 223-228; 512-573, (*cryst struct*)