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>>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  $\text{MnS}_2\text{O}_6$  +  $\text{Na}_2\text{CO}_3$

Use/Importance: Strong reducing agent

>>Derivative: Dihydrate

CAS Registry Number: 10101-85-6

Physical Description: Cryst. ( $\text{H}_2\text{O}$ )

Solubility: V. sol.  $\text{H}_2\text{O}$

Other Data: Loses  $\text{H}_2\text{O}$  of cryst. at  $110^\circ$

#### 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*)