

Pb[S₂O₆][H₂O]₄

*hP*61

(177) *P*622 – n⁵a

PbS₂O₆·4H₂O [1]

Structural features: O₃S-SO₃ units in a partly disordered arrangement (either side of [110] and 3-fold disorder about [001]).

De Matos Gomes E. (1991) [1]

H₈O₁₀PbS₂

$a = 0.63413$, $c = 0.64622$ nm, $c/a = 1.019$, $V = 0.2250$ nm³, $Z = 1$

site	Wyck.	sym.	<i>x</i>	<i>y</i>	<i>z</i>	occ.	atomic environment
O1	12 <i>n</i>	1	0.043	0.302	0.281	0.167	
O2	12 <i>n</i>	1	0.176	0.497	0.49	0.167	
(OH ₂)3	12 <i>n</i>	1	0.199	0.455	0.126	0.333	single atom O
O4	12 <i>n</i>	1	0.267	0.062	0.334	0.167	
S5	12 <i>n</i>	1	0.366	0.055	0.49	0.167	
Pb6	1 <i>a</i>	622	0	0	0		

Experimental: single crystal, diffractometer, X-rays, R = 0.015

Remarks: Short interatomic distances for partly occupied site(s). Hydrogen atoms are not taken into consideration for Pearson symbol, Wyckoff sequence and atomic environments.

References: [1] De Matos Gomes E. (1991), Acta Crystallogr. B 47, 12-17.