Monatshefte für Chemie 122, 1109–1110 (1991)

Monatshefte für Chemie
Chemical Monthly

Erratum

In the contribution:

Crystal Structures of $Co_3(SeO_3)_3 \cdot H_2O$ and $Ni_3(SeO_3)_3 \cdot H_2O$, Two New Isotypic Compounds

Manfred Wildner

Monatsh. Chem. **122**, 585–594 (1991)

a wrong Table 3 was erroneously printed. The correct Table 3 is as follows:

Table 3. Selected interatomic distances [Å], bond angles [°] (with corresponding O − O or H − H distances in brackets), and distortion parameters Δ_{oct} [7] and σ^2_{oct} [8] for $Co_3(SeO_3)_3 \cdot H_2O$ and $Ni_3(SeO_3)_3 \cdot H_2O$ (* not refined)

distance[Å]	Co	Ni
Me1-O9 2x	2.028(2)	2.025(4)
Me1-O8 2x	2.125(2)	2.076(3)
Me1-O3 2x	2.199(2)	2.139(3)
⟨Me1-O⟩	2.117	2.080
Δ_{oct}	0.00109	0.00050
Me2-O6 2x	2.051(2)	2.040(3)
Me2-O2 2x	2.077(2)	2.014(3)
Me2-O1 2x	2.149(2)	2.124(3)
⟨Me2-O⟩	2.092	2.060
Δ_{oct}	0.00039	0.00052
Me3-Ow	2.030(2)	1.995(4)
Me3-O7	2.072(2)	2.038(4)
Me3-O7	2.101(2)	2.064(4)
Me3-O1	2.145(2)	2.134(3)
Me3-O4	2.162(2)	2.154(3)
Me3-O9	2.171(2)	2.101(4)
⟨Me3-O⟩	2.114	2.081
Δ_{oct}	0.00058	0.00070
Me4-O5	1.983(2)	1.987(4)
Me4-O2	2.002(2)	2.001(3)
Me4-O8	2.076(2)	2.035(3)
Me4-O3	2.115(2)	2.074(3)
Me4-O4	2.236(2)	2.146(3)
Me4-O4	2.403(2)	2.301(3)
⟨Me4-O⟩	2.136	2.091
Δ_{oct}	0.00463	0.00265
Se1-O2	1.706(2)	1.713(3)
Se1-O3	1.709(2)	1.714(3)
Se1-O4	1.728(2)	1.746(3)
⟨Se1-O⟩	1.714	1.724
Se2-O6	1.658(2)	1.652(3)
Se2-O8	1.711(2)	1.714(4)
Se2-O7	1.713(2)	1.699(4)
⟨Se2-O⟩	1.694	1.688
Se3-O5	1.698(2)	1.685(4)
Se3-O1	1.702(2)	1.704(4)
Se3-O9	1.720(2)	1.721(3)
⟨Se3-O⟩	1.707	1.703

angle[°],edge[Å]	Co	Ni
O9-Me1-O8 2x	86.3(1) [2.840(3)]	87.2(2) [2.827(6)]
O9-Me1-O8 2x	93.7(1) [3.031(3)]	92.8(2) [2.971(5)]
O9-Me1-O3 2x	89.4(1) [2.976(4)]	89.2(2) [2.924(5)]
O9-Me1-O3 2x	90.6(1) [3.007(3)]	90.8(2) [2.965(5)]
O8-Me1-O3 2x	80.2(1) [2.784(3)]	80.6(2) [2.727(5)]
O8-Me1-O3 2x	99.8(1) [3.309(4)]	99.4(2) [3.214(5)]
σ_{oct}^2	40.4	35.2
Ow-Me3-O7	164.6(1)	165.8(2)
Ow-Me3-O7	88.9(1) [2.893(4)]	88.9(2) [2.842(6)]
Ow-Me3-O1	98.5(1) [3.163(4)]	97.8(2) [3.113(6)]
Ow-Me3-O4	89.8(1) [2.961(3)]	88.7(2) [2.903(6)]
Ow-Me3-O9	83.7(1) [2.804(4)]	84.5(2) [2.754(6)]
O7-Me3-O7	79.3(1) [2.663(5)]	80.6(2) [2.653(8)]
O7-Me3-O1	91.1(1) [3.010(4)]	90.9(2) [2.975(6)]
O7-Me3-O4	100.2(1) [3.248(3)]	100.9(2) [3.232(5)]
O7-Me3-O9	88.1(1) [2.950(3)]	87.6(2) [2.864(6)]
O7-Me3-O1	165.5(1)	167.5(2)
O7-Me3-O4	91.2(1) [3.045(4)]	91.0(2) [3.008(6)]
O7-Me3-O9	97.3(1) [3.208(3)]	97.8(2) [3.139(6)]
O1-Me3-O4	101.3(1) [3.330(3)]	99.7(2) [3.276(6)]
O1-Me3-O9	71.3(1) [2.516(3)]	72.5(2) [2.505(6)]
O4-Me3-O9	169.2(1)	168.8(2)
σ_{oct}^2	78.8	69.9
O2-Se1-O3	103.8(1) [2.687(3)]	104.3(2) [2.705(5)]
O2-Se1-O4	93.7(1) [2.505(3)]	92.8(2) [2.505(5)]
O3-Se1-O4	95.4(1) [2.542(3)]	94.4(2) [2.540(6)]
⟨O-Se1-O⟩	97.6	97.2
O5-Se3-O1	100.7(1) [2.618(3)]	101.3(2) [2.621(6)]
O5-Se3-O9	104.6(1) [2.703(4)]	104.7(2) [2.696(6)]
O1-Se3-O9	94.6(1) [2.516(3)]	94.0(2) [2.505(6)]
⟨O-Se3-O⟩	100.0	100.0

angle[°],edge[Å]	Co	Ni
O6-Me2-O2 2x	84.5(1) [2.775(3)]	84.4(2) [2.721(6)]
O6-Me2-O2 2x	95.6(1) [3.057(4)]	95.7(2) [3.004(5)]
O6-Me2-O1 2x	87.9(1) [2.916(3)]	88.1(2) [2.896(6)]
O6-Me2-O1 2x	92.1(1) [3.025(4)]	91.9(2) [2.992(5)]
O2-Me2-O1 2x	88.4(1) [2.946(3)]	88.2(2) [2.880(6)]
O2-Me2-O1 2x	91.7(1) [3.032(3)]	91.8(2) [2.973(5)]
σ_{oct}^2	13.8	14.1
O5-Me4-O2	99.2(1) [3.033(3)]	94.8(2) [2.936(6)]
O5-Me4-O8	89.3(1) [2.853(4)]	87.4(2) [2.780(6)]
O5-Me4-O3	98.9(1) [3.114(3)]	99.8(2) [3.106(5)]
O5-Me4-O4	168.2(1)	171.7(2)
O5-Me4-O4	92.0(1) [3.169(3)]	92.3(2) [3.101(6)]
O2-Me4-O8	111.6(1) [3.374(4)]	108.5(2) [3.275(5)]
O2-Me4-O3	156.7(1)	161.8(2)
O2-Me4-O4	88.7(1) [2.966(3)]	90.4(2) [2.944(5)]
O2-Me4-O4	68.6(1) [2.505(3)]	70.8(2) [2.505(5)]
O8-Me4-O3	83.3(1) [2.784(3)]	83.1(2) [2.727(5)]
O8-Me4-O4	96.1(1) [3.208(3)]	97.1(2) [3.134(5)]
O8-Me4-O4	178.6(1)	179.2(2)
O3-Me4-O4	71.4(1) [2.542(3)]	74.0(2) [2.540(6)]
O3-Me4-O4	96.0(1) [3.364(4)]	97.6(1) [3.296(5)]
O4-Me4-O4	82.5(1) [3.062(5)]	83.3(2) [2.967(8)]
σ_{oct}^2	146.6	117.8
O6-Se2-O8	103.6(1) [2.647(3)]	103.9(2) [2.650(6)]
O6-Se2-O7	104.9(1) [2.673(4)]	104.9(2) [2.657(6)]
O8-Se2-O7	100.6(1) [2.634(3)]	100.3(2) [2.621(6)]
⟨O-Se2-O⟩	103.0	103.0

distance[Å]	Co	Ni
Ow-H1	0.75(5)	0.92(7)
Ow-H2	0.74(4)	0.97*
H1-O3	2.06(5)	1.96(7)
H2-O5	1.86(4)	1.64*

angle[°],edge[Å]	Co	Ni
H1-Ow-H2	116.8(54) [1.27(6)]	96.1* [1.40*]
Ow-H1-O3	169.1(26) [2.802(3)]	145.5(49) [2.762(6)]
Ow-H2-O5	172.4(25) [2.600(4)]	158.9* [2.561(6)]

Verleger: Springer-Verlag KG, Sachsenplatz 4-6, A-1201 Wien. — Herausgeber: Österreichische Akademie der Wissenschaften, Dr.-Ignaz-Seipel-Platz 2, A-1010 Wien, und Gesellschaft Österreichischer Chemiker, Eschenbachgasse 9, A-1010 Wien. — Redaktion: Währinger Straße 38, A-1090 Wien. — Hersteller: Adolf Holzhausens Nachfolger, Kandlgasse 19-21, A-1070 Wien. — Verlagsort: Wien. — Herstellungsort: Wien. — Printed in Austria.