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LITHIUM BIS(IMINODIACETATO) NICKELATE(II) TETRAHYDRATE, AND CESIUM BIS(IMINODIACETATO) NICKELATE(II) TETRAHYDRATE

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N. J. Mammano, D. H. Templeton, and Allan Zalkin

August 1976

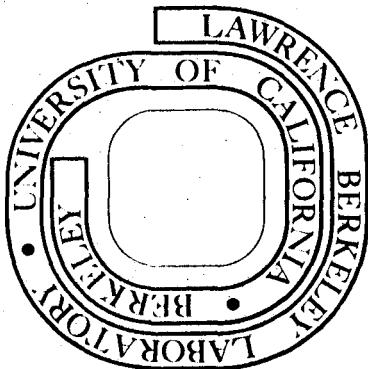
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LITHIUM BIS(IMINODIACETATO) NICKELATE(II) TETRAHYDRATE, AND
CESIUM BIS(IMINODIACETATO) NICKELATE(II) TETRAHYDRATE

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(Received)

ABSTRACT. $\text{Li}_2\text{Ni}(\text{NH}(\text{CH}_2\text{COO})_2)_2(\text{H}_2\text{O})_4$, monoclinic, space group $P2_1/n$ (no. 14), $a = 9.785(5)$, $b = 5.312(3)$, $c = 15.770(7)$, $\beta = 99.76(5)$, $Z = 2$, $d_{(\text{meas})} = 1.668$, $d_{(\text{calc})} = 1.672$. $\text{Cs}_2\text{Ni}(\text{NH}(\text{CH}_2\text{COO})_2)_2(\text{H}_2\text{O})_4$, monoclinic, space group $P2_1/c$ (no. 14), $a = 5.024(3)$, $b = 8.757(4)$, $c = 21.146(9)$, $\beta = 96.51(5)$, $Z = 2$, $d_{(\text{meas})} = 2.307$, $d_{(\text{calc})} = 2.354$.

In each salt the two iminodiacetate (ida) ions which coordinate the Ni atom function as tridentate ligands and are related by a center of inversion at the Ni atom, resulting in trans configuration for the anion complex, $\text{Ni}(\text{ida})_2^{-2}$. The coordination around the Ni atom is in the shape of a distorted octahedron, and the two five-membered rings which result from the coordination of each ida molecule are not planar or equivalent by symmetry; this distortion is related to the bond strain within each ida molecule. The two salts are not isostructural.

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INTRODUCTION. Single crystals of each compound were prepared by dissolving a stoichiometric mixture of NiCl_2 (1.75M), iminodiacetic acid(s), and the appropriate alkali metal base in water, and slowly evaporating to dryness. The crystal data and some experimental details are summarized in Table 1. Azimuthal scans for the Li salt indicated that no absorption correction would be necessary. Standard reflections, monitored after every 200th scan, showed that no correction for instrumental instability or crystal decay was required. Atomic scattering factors (Doyle and Turner, 1968) were used for Cs^+ , Li^+ , O, N, C, and H and were corrected for anomalous dispersion (Cromer and Liberman, 1970). Each structure was solved by a three-dimensional Patterson synthesis and electron-density Fourier. Refinement was by full matrix least-squares with anisotropic thermal parameters for non-hydrogen atoms and isotropic thermal parameters for hydrogens. The final unweighted residuals ($R_1 = \sum |F_O| - |F_C| | / \sum |F_O|$) were 0.031 and 0.026 for the 1796 and 1738 reflections used in the refinement of the Li and Cs salt, respectively. Corresponding weighted residuals ($R_2 = [\sum w(|F_O| - |F_C|)^2 / \sum w(|F_O|)^2]^{1/2}$) were 0.034 and 0.028. Atomic coordinates and thermal parameters are listed in Table 2, and selected bond distances and angles in Table 3. A list of structure factors is obtainable as Supplementary Publication No. 00000.*

*Copies of this table may be obtained through the Executive Secretary, International Union of Crystallography, 13 White Friars, Chester CH1 1NZ, England

DISCUSSION. The two compounds are not isostructural. In both salts the cation is in a four-fold equivalent position. The Li^+ ion is surrounded tetrahedrally by four oxygens, two belonging to water molecules and two from the acetate groups of the ida molecule; the average Li-O distance is $1.92(1)\text{\AA}$. The Cs^+ ion is surrounded by 8 oxygens, four from waters and four from acetate groups; the average Cs-O distance is $3.27(1)\text{\AA}$. The structure determined here for $\text{Li}_2\text{Ni(ida)}_2(\text{H}_2\text{O})_4$ is in agreement with preliminary (unrefined) results reported (Kramarenko, Polynova, Porai-Koshits, Chalyi, and Mitrofanova, 1974), but with a different choice of unit cell setting.

In each salt, the complex anion Ni(ida)_2^{-2} has the same trans configuration, (Fig. 1). The Ni atom is at a 2-fold equivalent special position, so that the two halves of the complex are related by a center of symmetry at the Ni atom. The N-Ni-N axis is not perpendicular to the plane of oxygen atoms but is inclined toward the direction in which each ida ligand chelates; this distortion is about the same in each salt (N-Ni-O bond angles, Table 3). In the equatorial plane all O(1)-Ni-O(3) bond angles are within $\sim 1^\circ$ of 90° . The two five-membered rings, Ni-N-C-C-O, resulting from the tridentate chelation by each ida molecule are not symmetrically equivalent and are puckered. This distortion, which differs slightly for each salt, is small, amounting to displacements of the ring carbons from the Ni-N-O plane of 0.1\AA to 0.6\AA . A model of the complex constructed so as to constrain the Ni atom into octahedral coordination (N-Ni-O bond angles of 90°) and the N, O and ring carbons into tetrahedral coordination (bond angles of 109.5°) revealed a

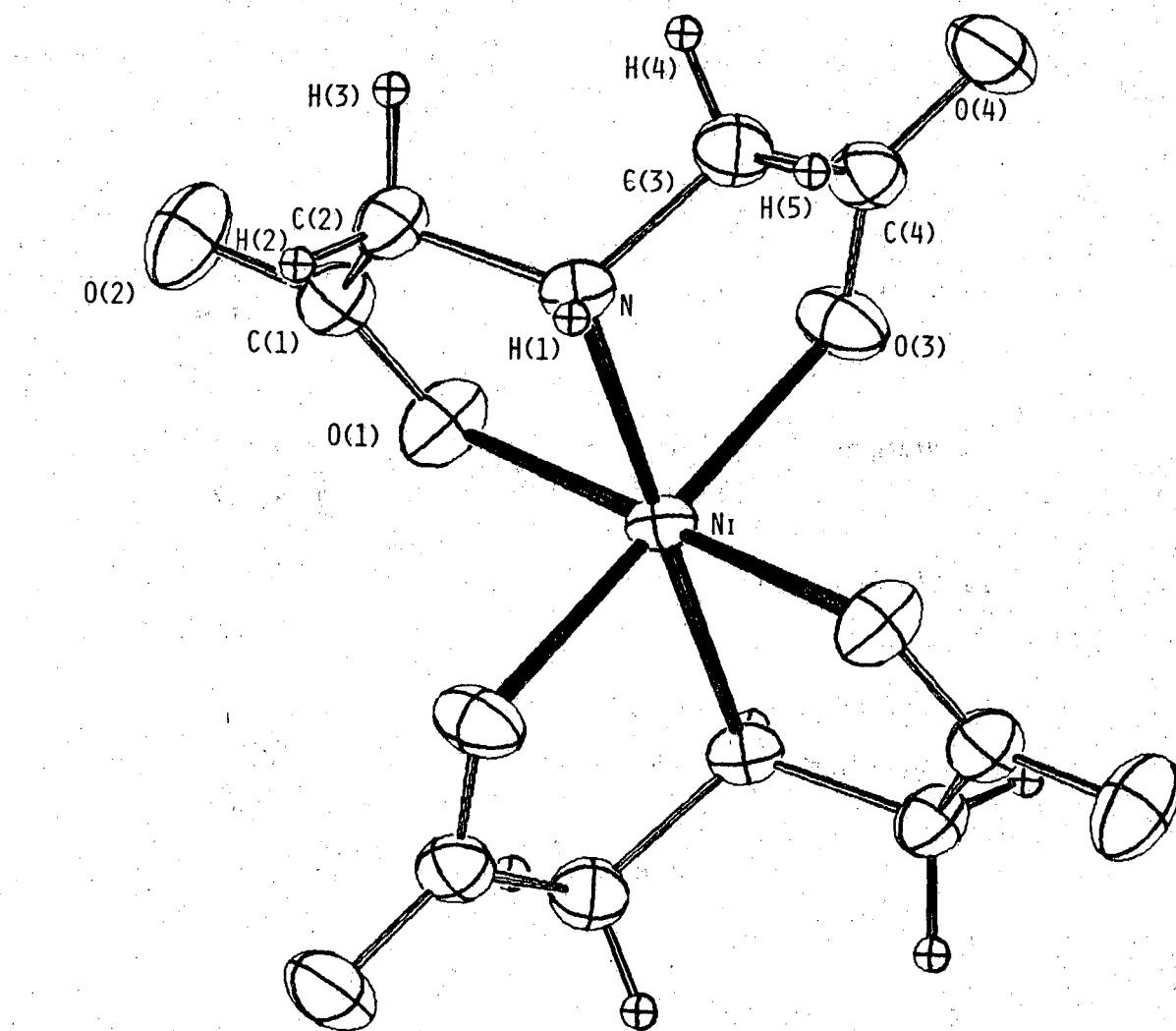
substantial degree of bond strain, making it difficult to fasten all the bonds simultaneously. This bond strain within each five-membered ring leads to a constriction of the N-Ni-O bond angles to ~82°, and a deviation of the bond angles about the N, O and ring carbons from the tetrahedral value, (Table 3). The Ni-N and Ni-O bond distances listed in Table 3 are well within the range established for these bonds. For example in the tridentate complex, potassium bis(triaceto-nitrito) Nickel(II) octahydrate, $K_4Ni(N(CH_2COO)_3)_2(H_2O)_8$, the Ni-N and Ni-O bond distances are 2.12 Å and 2.06 Å, respectively (Fomenko, Polynova, Porai-Koshits, Mitrofanova, 1972).

This work was done in part under the auspices of the U. S. Energy Research and Development Administration. We thank Professor R. E. Connick for bringing this problem to our attention, Mr. K. Klotter for providing the crystals, and Dr. L. K. Templeton for assistance with the absorption correction.

Fig. 1 Ortep diagram of the bis(iminodiacetato) Nickelate (II) complex.

0 0 1 0 4 6 0 2 9 8 5

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XBL 767-8727

Fig. 1

Table 1. Summary of Crystal Data

Compound	$\text{Li}_2\text{Ni(ida)}_2(\text{H}_2\text{O})_4$	$\text{Cs}_2\text{Ni(ida)}_2(\text{H}_2\text{O})_4$
Formula Weight	406.830	656.743
Crystal Shape and Size	needle; ~0.2 x .08 mm.	prism; ~0.2 x .15 mm.
Temperature	22-23°C	22-23°C
Radiation	$\text{MoK}\alpha_1 (\lambda = 0.7093\text{\AA})$	$\text{MoK}\alpha_1 (\lambda = 0.7093\text{\AA})$
Absorption Correction	None	1.31 to 1.70; average correction is 1.45
μ	11.9 cm^{-1}	47 cm^{-1}
Data Collection Method	$\theta-2\theta(2^\circ/\text{min})$	$\theta-2\theta(2^\circ/\text{min})$
2θ Limits	3° to 50°	3° to 60°
Background Counts	10 sec.	10 sec.
Scan Range	1.2°	1.2°
Final No. of Variables	154	154
Total No. of Reflections	2378	2302
Unique Data Used	1796 $[\text{Fo}^2 > 2\sigma(\text{Fo})^2]$	1738 $[\text{Fo}^2 > 3\sigma(\text{Fo})^2]$
Extinction Factor	2.3×10^{-7}	1.91×10^{-6}

0 0 0 0 4 6 0 2 9 8 6

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Table 2(a). $\text{Li}_2\text{Ni}(\text{ida})_2(\text{H}_2\text{O})_4$ Positional Parameters.

Atom	x	y	z
Ni	0	0	0
Li(1)	.9466(3)	.2051(7)	.3490(2)
O(1)	-.0538(2)	-.1275(3)	.11360(9)
O(2)	-.0482(2)	-.0140(3)	.2493(1)
O(3)	.1620(1)	-.2465(3)	.01735(9)
O(4)	.3781(2)	-.2920(3)	.0815(1)
O(5)	.6331(2)	.0180(4)	.1976(2)
O(6)	.7958(3)	.0771(5)	.3997(2)
N	.1351(2)	.2229(3)	.0844(1)
C(1)	-.0148(2)	.0147(4)	.1769(1)
C(2)	.0751(2)	.2405(4)	.1638(1)
C(3)	.2727(2)	.1046(4)	.0957(2)
C(4)	.2710(2)	-.1647(4)	.0636(1)
H(1)	.141(2)	.369(5)	.065(2)
H(2)	.015(3)	.391(6)	.161(2)
H(3)	.150(2)	.262(5)	.216(2)
H(4)	.319(3)	.112(6)	.150(2)
H(5)	.336(2)	.197(5)	.064(2)
H(6)	.708(5)	.021(8)	.205(3)
H(7)	.608(3)	.138(6)	.215(2)
H(8)	.682(4)	.487(7)	.074(3)
H(9)	.726(5)	.14(1)	.399(3)

Table 2(b). $\text{Li}_2\text{Ni}(\text{idc})_2(\text{H}_2\text{O})_4$ Thermal Parameters*

Atom	B_{11}	B_{22}	B_{33}	B_{12}	B_{13}	B_{23}
Ni	1.70(1)	1.41(1)	1.63(1)	-.17(1)	-.091(8)	.03(1)
Li(1)	2.3(1)	2.9(2)	2.7(1)	-.2(1)	.2(1)	.1(1)
O(1)	3.36(7)	2.55(6)	2.24(6)	-1.03(5)	.54(5)	-.04(5)
O(2)	6.4(1)	3.56(7)	2.72(6)	-1.37(8)	2.08(6)	-.32(7)
O(3)	2.27(6)	1.72(5)	3.29(7)	.14(4)	-.45(5)	-.57(5)
O(4)	2.53(7)	2.82(7)	6.9(1)	.86(6)	-1.15(6)	-.88(7)
O(5)	3.41(8)	3.24(8)	7.4(1)	.03(8)	.25(8)	-2.11(9)
O(6)	5.3(1)	4.2(1)	5.8(1)	.96(9)	3.2(1)	1.96(9)
N	2.04(6)	1.31(6)	1.91(6)	-.13(5)	.12(5)	.13(5)
C(1)	2.83(7)	2.12(7)	2.35(7)	.02(8)	.63(6)	.21(8)
C(2)	3.38(9)	2.17(8)	2.28(8)	-.54(7)	.74(7)	-.54(7)
C(3)	1.93(7)	2.07(8)	3.06(9)	-.29(7)	-.21(7)	-.33(7)
C(4)	2.12(7)	1.69(7)	2.59(8)	-.01(6)	.11(6)	-.01(6)
H(1)	2.6(5)					
H(2)	4.5(6)					
H(3)	3.2(5)					
H(4)	4.2(6)					
H(5)	3.4(2)					
H(6)	8.5(14)					
H(7)	4.3(8)					
H(8)	6.2(12)					
H(9)	10.0(15)					

* The form of the temperature factor is $\exp [-0.25 (h^2 a^2 B_{11} + \dots + 2hka * b * B_{12} + \dots)]$ or $\exp (-B\lambda^{-2} \sin^2 \theta)$

Table 2(c). $\text{Cs}_2\text{Ni(ida)}_2(\text{H}_2\text{O})_4$ Positional Parameters

Atom	x	y	z
Ni	.500	.500	.500
Cs	.03298(5)	.06034(2)	.29806(1)
O(1)	.2587(4)	.5704(2)	.4205(1)
O(2)	.2580(5)	.7093(3)	.3331(1)
O(3)	.3414(5)	.6667(2)	.5519(1)
O(4)	.4448(5)	.8893(3)	.5990(1)
O(5)	.1152(6)	.6044(3)	.6611(1)
O(6)	.5858(7)	.6691(4)	.7495(2)
N	.7373(5)	.6816(3)	.4749(1)
C(1)	.3647(6)	.6649(3)	.3859(1)
C(2)	.6377(7)	.7285(3)	.4099(1)
C(3)	.7221(7)	.8015(3)	.5232(2)
C(4)	.4848(6)	.7870(3)	.5610(1)
H(1)	.886(9)	.659(5)	.477(2)
H(2)	.762(7)	.692(4)	.383(2)
H(3)	.637(7)	.836(4)	.407(2)
H(4)	.730(8)	.895(5)	.505(2)
H(5)	.880(9)	.789(4)	.554(2)
H(6)	.177(9)	.869(5)	.130(2)
H(7)	.01(1)	.966(6)	.151(3)
H(8)	.490(9)	.859(6)	.223(2)
H(9)	.482(9)	.793(5)	.274(2)

Table 2(d). $\text{Cs}_2\text{Ni(ida)}_2(\text{H}_2\text{O})_4$ Thermal Parameters

Atom	B_{11}	B_{22}	B_{33}	B_{12}	B_{13}	B_{23}
Ni	1.51(2)	1.30(2)	2.05(2)	.08(1)	.30(1)	.15(1)
Cs	3.55(1)	2.846(9)	3.16(1)	.111(7)	-.128(7)	-.331(7)
O(1)	2.04(9)	3.15(9)	2.87(9)	-.46(7)	-.24(7)	.86(7)
O(2)	3.2(1)	5.0(1)	2.74(9)	-.3(1)	-.56(9)	1.20(9)
O(3)	2.60(9)	2.18(7)	3.7(1)	-.33(7)	1.33(8)	-.70(7)
O(4)	4.4(1)	2.49(8)	3.6(1)	.10(9)	1.0(1)	-.99(8)
O(5)	4.1(1)	4.6(1)	2.7(1)	-1.7(1)	.9(1)	-.93(9)
O(6)	3.5(1)	6.6(2)	3.5(1)	.6(1)	-.0(1)	-.9(1)
N	1.43(9)	1.63(8)	2.3(1)	.08(7)	.20(8)	.15(7)
C(1)	2.1(1)	2.4(1)	2.4(1)	.26(9)	.1(1)	.18(9)
C(2)	2.2(1)	2.3(1)	2.2(1)	-.2(1)	.3(1)	.33(9)
C(3)	2.5(1)	2.1(1)	2.5(1)	-.5(1)	.3(1)	-.13(9)
C(4)	2.3(1)	1.9(1)	2.4(1)	.48(9)	.1(1)	.03(8)
H(1)	3.9(10)					
H(2)	2.8(8)					
H(3)	2.4(7)					
H(4)	3.8(8)					
H(5)	4.0(9)					
H(6)	3.9(10)					
H(7)	6.7(15)					
H(8)	4.2(11)					
H(9)	4.0(10)					

Table 3. Bond Distances and Angles

Bond	Li-ida (Å)	Cs-ida	Angle	Li-ida (°)	Cs-ida
Ni-N					
Ni-O(1)	2.079(2)	2.091(3)	Ni-N-C(2)	106.2(1)	107.9(1)
Ni-O(3)	2.065(2)	2.054(2)	Ni-N-C(3)	107.7(1)	106.9(1)
C(1)-C(2)	2.038(2)	2.041(2)	N-C(3)-C(4)	113.9(1)	114.3(1)
C(1)-O(1)	1.522(3)	1.513(5)	N-C(2)-C(1)	112.9(1)	114.2(1)
C(1)-O(2)	1.259(2)	1.260(4)	C(2)-C(1)-O(1)	118.0(1)	118.0(1)
C(4)-C(3)	1.249(2)	1.246(4)	C(3)-C(4)-O(3)	118.5(1)	116.9(1)
C(4)-O(3)	1.517(3)	1.513(5)	Ni-O(3)-C(4)	114.7(1)	115.0(1)
C(4)-O(4)	1.263(3)	1.279(4)	Ni-O(1)-C(1)	113.8(1)	115.2(1)
C(2)-N	1.238(2)	1.235(4)	N-Ni-O(1)	81.9(1)	82.2(1)
C(3)-N	1.473(3)	1.468(4)	N-Ni-O(3)	83.4(1)	82.1(1)
	1.469(3)	1.473(4)	C(2)-N-C(3)	114.4(1)	114.3(1)

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SUPPLEMENTARY MATERIAL FOR MANUSCRIPT: "LITHIUM BIS(IMINODIACETATO) NICKELATE(II) TETRAHYDRATE AND CESIUM BIS(IMINODIACETATO) NICKELATE (II) TETRAHYDRATE", BY N.J. MAMMANO, D.H. TEMPLETON AND ALLAN ZALKIN

1. Structure Factor Tables for lithium bis(iminodiacetato) Nickelate (II) Tetrahydrate (9pages).
2. Structure Factor Tables for cesium bis(iminodiacetato) Nickelate (II) Tetrahydrate (9pages).

OBSERVED STRUCTURE FACTORS, STANDARD DEVIATIONS, AND DIFFERENCES (ALL X 1.0)
LITHIUM BIS (IMINODIACETATE) NICKEL (II) F(0,0,0) = 417

FOB AND FCA ARE THE OBSERVED AND CALCULATED STRUCTURE FACTORS.

SG = ESTIMATED STANDARD DEVIATION OF FOB. DEL = |FOB| - |FCA|.

* INDICATES ZERO WEIGHTED DATA.

L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL	
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4 1	3 -1*	21	5	1 1	11	18	0 0	-21	5	2	0*-12	7	0	0		
6 9	0 1	H,K= 0,	3	12	4	1 2	-20	10	1 0	-11	20	0	-0			
8 34	1 1	1 1	25	0 -1	13	14	1 0	-19	5	1 1	-10	13	0	-1		
10 49	1 -0	2 8	0 -1	14	2 3	0*-18	12	1 0	-9	28	1	-1				
12 54	1 -1	3 17	0 -0	15	13	1 1	-17	2 3	0*-8	1 2	0*					
14 11	0 1	4 2	2 0*	16	5 1	1*-16	21	1 1	-0	-7	31	1	-0			
16 17	0 0	5 57	1 -0	H,K= 0,	6 1	-15	18	0 0	-6	23	0	1				
18 14	0 1	6 19	0 1	0 12	1 1	-0	-14	12 0	-0	-5	4	1	-1			
20 11	1 -0	7 27	1 -0	1 9	0 0	-1	-13	1 2	0*	-4	0 2	-2*				
H,K= 0, 1	8 13	0 -0	2 5	1 1	-1 12	-11	39	1 1	-3	12	0	-1				
1 79	1 -2	9 17	0 0	3 10	0 0	0	-11	32 1	1 -2	33	1 1					
2 20	0 2	10 3	2 -1*	4 18	0 0	0	-10	17 0	-1	-1	21	0	1			
3 7	1 -0	11 24	1 0	5 4	1 1	-9	24	0 1	0	0	2	-2*				
4 48	1 2	12 3	1 1	1* 6	11 0	-0	-8	48 1	1 1	78	1 1	0				
5 69	1 -2	13 19	0 1	7 1	2 2	0*	-7	12 0	1 2	34	1 1					
6 2	2 -0*	14 2	2 1*	8 7	1 1	-0	-6	3 1	0*	3 64	1 1					
7 27	1 1	15 14	0 1	9 3	2 2	-2*	-5	30 1	1 1	4 16	0 0					
8 2	1 -0*	16 5	1 1	10 6	1 1	-0	-4	82 1	-0	5 49	1 1	-0				
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13 16	0 0	H,K= 0,	4 1	14 0	0 0	1 19	0 0	-0	10 0	11 22	0 1					
14 7	1 1	0 55	1 -0	2 5	1 1	2 13	0 0	-0	11 0	12 3	1 1	-0*				
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19 11	0 0	5 4	1 1	7 9	1 0	7 3	1 1	0	16 1	1 3	-1*					
20 6	1 -0	6 38	1 -1	H,K= 1,	0 0	8 61	1 0	17 22	1 1	-0	18 2	3 1	-0			
21 8	1 -0	7 4	1 0*	-21 5	1 1	9 11	0 0	1 19	11 1	1	1 0					
H,K= 0, 2	8 16	0 0	0 -19	13 0	-0	10 29	1 1	1 19	11 1	1	1 0					
0 28	1 -1	9 1	2 2	-2*-17 26	1 0	11 17	0 0	0 20	5 1	-0	H,K= 1,	3				
1 17	0 1	10 14	0 0	-0 -15	22 0	-1 12	35 1	-0	H,K= 1,	3						
2 32	1 2	11 7	1 1	-0 -13	23 0	-0 13	2 3	1*-20 10	1 1	0						
3 16	0 0	12 28	1 1	-0 -11	24 0	-0 14	3 1	0*-19 2	3 1	1*						
4 56	1 1	13 3	2 1	1* -9	29 1	-1 15	1 3	0*-18 9	1 1	0*						
5 4	0 0	14 13	1 0	-7 85	2 1	16 22	1 1	1 -17 3	1 0	-0						
6 30	1 -1	15 4	1 -1	-5 84	2 0	17 6	1 1	-0 -16 15	0 0	-0						
7 0	2 -1*	16 11	1 0	-3 104	2 -0	18 15	1 1	-0 -15 2	2 2	-1						
8 39	1 -0	17 3	2 2	3* -1	76 1	-3 19	0 0	3 -2*-14 9	1 1	-1						
9 17	0 -0	18 4	1 -1*	1 88	2 -2	20 10	1 1	-0 -13 1	3 1	-1						
10 28	1 0	H,K= 0,	5 3	3 31	1 1	-2 21	0 0	3 -1*-12 30	1 1	1						
11 3	1 0*	1 22	0 0	5 14	0 0	-0 H,K= 1,	2 1	-11 4	1 1	1						
12 14	0 0	2 12	0 -0	7 48	1 1	-1 -21	9 1	-1 -10 18	0 0	-0						
13 11	0 0	3 18	0 -0	9 44	1 1	-20 3	1 1	0* -9 10	0 0	0						
14 3	1 0*	4 5	1 1	1 11	49 1	0 -19	8 1	-0 -8 30	1 1	-0						
15 9	0 -1	5 30	1 1	-0 13	13 0	0 -18	0 3	-3* -7 8	0 0	1						
16 24	1 -1	6 1	3 -1*	15 4	1 1	-17 15	0 0	1 -6 17	0 0	0						
17 2	3 -1*	7 12	0 0	17 18	0 0	-0 -16 6	1 1	-1 -5 19	0 0	-0						
18 12	1 0	8 3	1 1	0* 19	7 1	-1 -15 13	0 0	-0 -4 55	1 1	-0						

STRUCTURE FACTORS CONTINUED FOR
LITHIUM BIS (IMINODIACETATE) NICKEL (II)

L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL	
-3	25	0	1	15	4	1	1	6	5	1	-1	-12	11	0	-0	
-2	9	0	-1	16	3	2	0*	7	14	0	0	-11	38	1	-0	
-1	48	1	-0	17	8	1	-1	8	6	1	0	-10	10	0	0	
0	25	0	-0	18	4	1	2	9	13	1	0	-9	24	0	-0	
1	2	2	0*	H,K=1,	5	10	0	3	-2*	-8	34	1	1	6	27	
2	31	1	0	-16	10	1	0	11	14	1	0	-7	72	1	1	
3	2	2	1*-15	2	3	2*	12	6	1	1	-6	57	1	1	8	
4	51	1	-0	-14	7	1	-1	H,K=1,	7	-5	28	1	-0	9	6	
5	5	1	-1	-13	3	1	2*	-7	4	3	-1*	-4	45	1	2	
6	43	1	0	-12	19	1	-0	-6	14	1	0	-3	5	0	1	
7	13	0	1	-11	2	3	2*	-5	6	1	0	-2	9	0	-1	
8	26	1	-0	-10	10	0	1	-4	13	1	0	-1	53	1	-0	
9	19	0	-1	-9	2	2	1*	-3	2	3	0*	0	45	1	1	
10	5	1	1	-8	20	0	0	-2	6	1	1	1	65	1	1	
11	12	0	0	-7	2	2	-2*	-1	2	3	-1*	2	11	0	1	
12	21	0	-0	-6	17	0	0	0	9	1	0	3	43	1	-0	
13	6	1	-0	-5	2	2	0*	1	6	1	1	4	37	1	3	
14	10	0	-1	-4	20	0	0	2	11	1	0	5	41	1	1	
15	3	1	-0*	-3	13	0	0	3	7	1	0	6	15	0	0	
16	20	1	0	-2	14	0	1	4	10	1	-0	7	20	0	0	
17	3	1	1*	-1	6	1	-0	5	6	1	-0	8	8	0	-0	
18	10	1	-1	0	32	1	0	6	10	1	-0	9	49	1	-0	
19	0	3	-2*	1	5	1	-1	7	5	1	-0	10	3	1	-0	
	H,K=1,	4	2	21	0	-1	H,K=2,	0	11	26	1	-0	-17	11	0	0
-18	2	3	1*	3	4	1	1	-22	5	1	1	12	4	1	-1	
-17	10	1	0	4	18	0	-1	-20	7	1	-1	13	19	0	0	
-16	3	2	0*	5	16	0	0	-18	12	0	-1	14	2	-0*	-14	
-15	13	1	-0	6	16	0	-0	-16	31	1	0	15	8	0	-0	
-14	3	1	1*	7	7	1	-1	-14	21	0	-0	16	2	2	2*-12	
-13	27	1	-0	8	7	1	-0	-12	37	1	0	17	18	0	0	
-12	1	3	0*	9	9	0	1	-10	5	0	-1	18	5	1	1	
-11	27	1	0	10	11	0	0	-8	64	1	2	19	10	1	-0	
-10	8	0	0	11	2	3	-1*	-6	100	2	-1	20	0	3	-1*	
-9	14	0	1	12	27	1	0	-4	22	0	-1	H,K=2,	2	-7	33	
-8	2	3	1*	13	4	1	0	-2	2	2	0*	-21	1	3	0*	
-7	27	1	0	14	11	1	-0	0	46	1	2	-20	7	1	-0	
-6	5	1	1	15	1	3	1*	2	46	1	2	-19	3	3	0*	
-5	34	1	-0	H,K=1,	6	4	78	1	-0	-18	8	1	-0	-3	25	
-4	9	0	1	-13	0	3	-2*	6	36	1	-1	-17	3	1	1*	
-3	40	1	1	-12	1	3	1*	8	36	1	-0	-16	21	0	-0	
-2	0	2	-1*-11	7	1	-0	10	11	0	-1	-15	4	1	-0	0	
-1	28	1	-1	-10	3	2	1*	12	22	0	-0	-14	2	2	0*	
0	8	0	-0	-9	10	1	1	14	3	1	0	-13	6	1	0	
1	33	1	-0	-8	3	2	1*	16	12	0	-0	-12	27	1	-1	
2	0	2	-2*	-7	12	0	1	18	18	0	1	-11	15	0	-0	
3	17	0	-1	-6	2	3	-0*	20	11	1	1	-10	18	0	1	
4	7	0	0	-5	12	0	-0	H,K=2,	1	-9	3	1	1*	6	21	
5	33	1	0	-4	0	3	-0*	-22	3	3	2*	-8	13	0	0	
6	4	1	2	-3	16	0	0	-21	6	1	1	-7	30	1	1	
7	23	1	-0	-2	2	2	-0*	-20	5	1	0	-6	34	1	-1	
8	3	1	-0	-1	7	1	-0	-19	11	0	1	-5	15	0	0	
9	6	1	-1	0	1	2	1*	-18	4	1	1	-4	67	1	0	
10	6	1	1	1	15	0	-0	-17	21	0	1	-3	9	0	-0	
11	21	0	0	2	5	1	-1	-16	2	2	-0*	-2	34	1	-0	
12	4	1	-1	3	11	1	-0	-15	19	0	-0	-1	33	1	1	
13	16	0	0	4	3	1	1*	-14	0	3	-2*	0	57	1	0	
14	1	3	-2*	5	12	1	0	-13	6	1	-0	1	10	0	-0	

**STRUCTURE FACTORS CONTINUED FOR
LITHIUM BIS (IMINODIACETATE) NICKEL (II)**

L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL
17	15	1	0	0	2	2	2*	6	2	4	2*	11	3	3	-0*	-16	13	0	-0
18	2	3	0*	1	9	0	-0	H,K=	3,	0	12	30	1	0	-15	6	1	1	
19	7	1	-0	2	1	2	-0*	-21	3	2	0*	13	6	1	-0	-14	10	0	0
	H,K=	2,	4	3	5	1	1	-19	16	0	0	14	10	0	-1	-13	2	2	-2*
-18	7	1	-1	4	9	0	-0	-17	18	0	-0	15	3	2	0*	-12	27	1	-0
-17	3	2	2*	5	20	0	0	-15	26	1	-1	16	16	1	0	-11	0	2	-1*
-16	13	1	-0	6	7	1	-0	-13	13	0	-0	17	4	1	0*	-10	24	1	-0
-15	1	3	1*	7	21	1	0	-11	32	1	-1	18	13	1	-0	-9	21	0	0
-14	15	0	0	8	6	1	-0	-9	14	0	-1	19	4	1	-0*	-8	10	0	0
-13	4	1	1	9	24	1	-0	-7	28	1	2	20	11	1	-0	-7	2	1	2*
-12	33	1	-0	10	1	3	-0*	-5	9	0	-0	H,K=	3,	2	-6	23	0	-0	
-11	0	3	-1*	11	14	0	-0	-3	8	0	-0	-21	9	1	0	-5	3	1	0
-10	15	0	1	12	12	0	1	-1	45	1	-1	-20	2	3	2*	-4	61	1	-0
-9	4	1	1	13	8	1	-0	1	97	2	0	-19	9	1	1	-3	13	0	-0
-8	14	0	1	14	4	1	0	3	36	1	2	-18	5	1	-0	-2	23	0	-1
-7	7	1	-0	15	4	1	1*	5	25	0	-1	-17	8	0	-1	-1	10	0	-0
-6	21	0	0	H,K=	2,	6	7	4	0	0	-16	5	1	-0	0	50	1	0	
-5	3	1	-0*	-13	2	3	1*	9	35	1	-1	-15	13	0	-0	1	7	0	-1
-4	22	0	1	-12	10	1	-1	11	35	1	-0	-14	6	1	-0	2	10	0	-0
-3	8	0	0	-11	2	3	1*	13	9	0	0	-13	7	1	1	3	14	0	0
-2	33	1	-0	-10	18	1	1	15	6	1	1	-12	7	0	0	4	18	0	1
-1	12	0	-0	-9	1	3	-1*	17	22	1	-1	-11	45	1	-0	5	3	1	1
0	38	1	-1	-8	14	0	-0	19	14	1	0	-10	7	0	-1	6	29	1	-0
1	7	0	0	-7	0	3	-2*	H,K=	3,	1	-9	39	1	1	7	3	1	0*	
2	2	2	1*	-6	13	0	0	-22	6	1	0	-8	9	0	-1	8	23	0	0
3	9	0	0	-5	4	1	-1	-21	6	1	-1	-7	35	1	1	9	12	0	0
4	25	1	0	-4	10	0	-0	-20	8	1	0	-6	22	0	0	10	24	1	-0
5	4	3	-1*	-3	8	1	0	-19	0	3	-1*	-5	47	1	1	11	13	0	-1
6	16	0	0	-2	8	0	0	-18	13	0	1	-4	16	0	1	12	26	1	-1
7	4	1	1	-1	3	2	-1*	-17	4	1	1	-3	33	1	-1	13	7	1	-0
8	11	0	0	0	20	0	0	-16	27	1	-0	-2	5	0	0	0	14	16	0
9	4	1	0	1	4	1	-0	-15	2	3	-0*	-1	36	1	0	15	6	1	0
10	9	0	0	2	18	0	0	-14	12	0	-1	0	25	0	0	16	14	1	0
11	5	1	1	3	4	1	3	-13	4	1	2	1	101	2	0	0	17	4	1
12	19	0	-0	4	17	1	-1	-12	16	0	-0	2	18	0	0	18	5	2	-1*
13	4	1	1	5	2	3	-0*	-11	12	0	0	3	25	0	1	H,K=	3,	4	
14	6	1	-0	6	13	0	-0	-10	22	0	-0	4	11	0	1	-18	0	3	-0*
15	1	3	-0*	7	0	3	-2*	-9	36	1	1	5	62	1	-1	-17	9	1	-0
16	8	1	-0	8	20	1	0	-8	50	1	0	6	12	0	-0	-16	2	3	1*
17	2	3	0*	9	5	1	-1	-7	22	0	1	7	30	1	-1	-15	14	0	-1
	H,K=	2,	5	10	15	0	1	-6	52	1	-0	8	3	1	-0*	-14	3	1	0*
-16	2	3	1*	11	3	1	-0*	-5	14	0	0	9	25	1	-0	-13	12	0	-0
-15	11	1	0	12	12	1	-1	-4	45	1	0	10	3	1	-0*	-12	7	1	-0
-14	2	4	-0*	H,K=	2,	7	-3	13	0	0	11	26	1	0	-11	15	0	-0	
-13	11	1	-1	-7	15	1	1	-2	48	1	2	12	1	2	-0*	-10	1	3	
-12	2	3	0*	-6	2	3	1*	-1	26	0	0	13	28	1	-1	-9	3	1	0
-11	21	1	0	-5	8	1	-0	0	85	2	1	14	1	2	-1*	-8	12	0	-0
-10	5	1	-2	-4	1	3	0*	1	3	1	0	15	14	0	1	-7	13	0	-0
-9	0	3	-2*	-3	4	1	1*	2	55	1	1	16	5	1	-0	-6	6	1	-0
-8	10	0	-0	-2	0	4	-1*	3	45	1	1	17	10	1	-1	-5	30	1	1
-7	13	0	0	-1	9	1	-0	4	59	1	0	18	2	2	0*	-4	3	1	1*
-6	3	1	1	0	4	1	2*	5	9	0	-0	19	6	1	0	-3	35	1	-0
-5	24	1	-0	1	15	0	-0	6	39	1	0	H,K=	3,	3	-2	18	0	-0	
-4	1	2	1*	2	6	1	-0	7	36	1	1	-20	9	1	-1	-1	15	0	0
-3	29	1	-0	3	14	1	0	8	10	0	-1	-19	2	3	0*	0	11	0	-0
-2	14	0	-0	4	8	1	1	9	12	0	0	-18	8	1	1	1	6	1	0
-1	26	1	0	5	13	1	0	10	24	0	-0	-17	4	1	0*	2	2	-0*	

STRUCTURE FACTORS CONTINUED FOR
LITHIUM BIS (IMINODIACETATE) NICKEL (II)

L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL	L	FCB	SG	DEL	L	FOB	SG	DEL
3	12	0	-0	-4	1	3	-2*-16	1	3	-2*	-1	14	0	0	15	8	1	0	
4	1	3	-0*	-3	14	0	0	-15	22	0	-1	0	71	1	2	16	2	3	1*
5	33	1	-0	-2	2	3	2*-14	10	0	-1	1	1	2	-1*	17	13	1	0	
6	4	1	-1	-1	13	0	-1	-13	17	0	0	2	66	1	-0	H,K=	4,	4	
7	20	0	-0	0	4	1	1*-12	3	1	-1	3	15	0	1	-18	7	1	-1	
8	8	0	0	1	29	1	0	-11	32	1	-0	4	10	0	-0	-17	3	2	3*
9	15	0	-0	2	5	1	1	-10	2	2	-1*	5	14	0	1	-16	8	1	-1
10	6	1	0	3	17	1	0	-9	4	1	-0	6	13	0	-1	-15	2	3	2*
11	15	0	1	4	3	1	-1*	-8	8	0	-0	7	6	0	1	-14	7	1	0
12	3	1	2	5	20	1	-0	-7	40	1	1	8	28	1	-1	-13	2	2	0*
13	8	1	-0	6	5	1	0	-6	4	0	1	9	9	0	-1	-12	11	1	-0
14	3	2	2*	7	13	1	-1	-5	20	0	-1	10	19	0	1	-11	0	3	-0*
15	10	1	-0	8	0	3	-1*	-4	9	0	0	11	5	1	-0	-10	8	0	0
16	0	3	-2*	9	10	1	-0	-3	72	1	-1	12	27	1	0	-9	7	0	-0
17	15	1	-0	10	3	3	1*	-2	22	0	0	13	0	3	0*	-8	21	0	-1
	H,K=	3,	5	11	8	1	1	-1	29	1	-0	14	11	0	0	-7	2	3	1*
-16	10	1	0		H,K=	3,	7	0	37	1	1	15	2	3	-0*	-6	17	0	-1
-15	2	3	-0*	-6	6	1	0	1	65	1	1	16	5	1	0	-5	7	1	-1
-14	10	1	-0	-5	3	3	1*	2	5	0	1	17	3	3	1*	-4	21	1	1
-13	4	1	1	-4	9	1	0	3	20	0	-1	18	6	1	0	-3	14	0	-0
-12	15	0	0	-3	5	1	0	4	1	2	1*	19	0	3	-0*	-2	16	0	-0
-11	4	1	0	-2	7	1	-1	5	21	0	-0		H,K=	4,	3	-1	11	0	0
-10	11	0	1	-1	0	3	-0*	6	8	0	1	-20	5	1	-0	0	3	1	1*
-9	7	1	1	0	20	1	0	7	24	1	-2	-19	8	1	0	1	5	1	0
-8	10	0	-1	1	1	4	-0*	8	15	0	0	-18	3	2	2*	2	8	0	0
-7	7	1	0	2	15	1	-0	9	29	1	-0	-17	7	1	0	3	23	0	-1
-6	15	1	-0	3	3	3	0*	10	15	0	-1	-16	1	3	1*	4	29	1	1
-5	4	1	-1	4	8	1	1	11	26	1	1	-15	12	0	-0	5	2	2	-2*
-4	25	1	1	5	5	1	-1*	12	7	1	-1	-14	7	1	-1	6	39	1	0
-3	2	2	-2*		H,K=	4,	0	13	22	0	0	-13	14	0	0	7	11	0	0
-2	15	0	-0	-22	8	1	1	14	4	1	0	-12	0	2	-1*	8	20	0	-0
-1	7	0	-1	-20	12	1	0	15	8	0	0	-11	33	1	-0	9	9	0	-1
0	21	0	0	-18	13	0	-0	16	0	2	-1*	-10	14	0	0	10	8	1	-0
1	3	3	-0*-16	23	1	-1	17	18	1	1	-9	18	0	1	11	0	3	-4*	
2	3	1	-0*-14	8	0	-1	18	4	2	1*	-8	12	0	0	12	12	0	-1	
3	3	1	2*-12	2	2	1*	19	11	1	0	-7	32	1	-1	13	3	3	1*	
4	21	0	1	-10	3	1	1*		H,K=	4,	2	-6	17	0	-1	14	10	1	-1
5	1	3	-0*	-8	65	1	-0	-21	1	3	-0*	-5	19	0	0	15	3	2	1*
6	31	1	-0	-6	38	1	-1	-20	5	1	0	-4	18	0	-0	16	17	1	-0
7	12	0	0	-4	4	0	-0	-19	4	1	0	-3	41	1	-0		H,K=	4,	5
8	16	0	1	-2	8	0	-1	-18	11	0	1	-2	6	1	-0	-16	0	3	-1*
9	1	3	0*	0	19	0	-1	-17	5	1	-1	-1	11	0	-0	-15	7	1	-0
10	9	1	-0	2	43	1	-2	-16	17	0	0	0	6	0	-0	-14	0	3	-2*
11	7	1	1	4	42	1	1	-15	1	3	-3*	1	24	0	0	-13	4	1	-0
12	6	1	-0	6	32	1	-1	-14	11	0	-1	2	4	1	-1	-12	6	1	1
13	5	1	-1*	8	24	0	-1	-13	8	1	-0	3	15	0	-0	-11	14	0	-0
14	5	1	1	10	28	1	-0	-12	42	1	0	4	19	0	0	-10	6	1	-1
	H,K=	3,	6	12	34	1	1	-11	8	0	-1	5	43	1	-0	-9	8	1	-1
-13	8	1	0	14	7	1	-1	-10	35	1	-2	6	24	1	0	-8	5	1	0
-12	4	1	3*	16	19	0	0	-9	5	1	-0	7	38	1	0	-7	19	1	-1
-11	17	1	-0	18	22	1	0	-8	27	1	0	8	2	2	0*	-6	2	2	1*
-10	2	3	1*		H,K=	4,	1	-7	14	0	0	9	15	0	-0	-5	14	0	-0
-9	12	1	0	-21	6	1	0	-6	26	1	-0	10	1	2	-0*	-4	0	2	-1*
-8	3	1	-0*-20	1	3	1	1*	-5	3	1	0	11	13	0	-0	-3	20	0	-0
-7	9	1	-0	-19	10	0	-0	-4	42	1	-0	12	4	1	-0	-2	4	1	0
-6	7	1	0	-18	3	2	-1*	-3	5	0	-0	13	17	0	-1	-1	11	0	0
-5	16	1	0	-17	12	0	-0	-2	35	1	-0	14	1	3	0*	0	6	1	-0

STRUCTURE FACTORS CONTINUED FOR
LITHIUM BIS (IMINODIACETATE) NICKEL (II)

L	F08	SG	DEL	L	F08	SG	DEL	L	F08	SG	DEL	L	F08	SG	DEL	
1	22	1	-0	-3	17	0	-0	-17	15	0	0	1	10	0	-0	
2	1	3	-2*	-1	4	1	-1	-16	0	3	-0*	2	26	1	-0	
3	18	0	1	1	47	1	-1	-15	26	1	-0	3	2	2	-2*	
4	8	0	-0	3	55	1	-0	-14	2	3	-1*	4	24	1	-0	
5	18	0	-0	5	65	1	-0	-13	16	0	-0	5	18	0	0	
6	7	1	0	7	15	0	0	-12	2	3	0*	6	22	0	-0	
7	14	0	-0	9	34	1	1	-11	36	1	0	7	7	1	-0	
8	4	1	1	11	25	1	1	-10	9	0	-0	8	15	0	-1	
9	7	1	-0	13	25	1	0	-9	2	1	-0*	9	3	1	1*	
10	0	3	-0*	15	19	1	-0	-8	6	1	0	10	13	0	0	
11	8	1	-0	17	18	1	0	-7	31	1	-0	11	2	2	0*	
12	3	2	1*	19	8	1	1	-6	9	0	-1	12	13	0	-0	
13	13	1	0	H,K=	5,	1	-5	46	1	-1	13	0	2	-1*	1	
	H,K=	4,	6	-21	1	3	-2*	-4	3	1	-0	14	14	0	0	
-12	14	1	0	-20	9	1	1	-3	37	1	0	15	2	3	1*	
-11	5	1	1	-19	4	1	0	-2	3	1	2	16	11	1	-0	
-10	9	1	0	-18	9	1	0	-1	30	1	0	17	0	4	-0*	
-9	10	1	-0	-17	3	1	2*	0	4	1	-0	H,K=	5,	4	1	
-8	7	1	-0	-16	19	0	0	1	20	0	-0	-18	3	2	-2*	
-7	2	3	-0*	-15	0	3	-1*	2	9	0	-0	-17	4	1	0	
-6	16	1	0	-14	10	0	-1	3	5	0	1	-16	0	3	-1*	
-5	8	1	-0	-13	2	2	-1*	4	7	0	0	-15	7	1	-0	
-4	21	1	1	-12	20	0	0	5	34	1	0	-14	3	2	1*	
-3	6	1	-1	-11	3	1	1*	6	6	1	0	-13	4	1	1	
-2	17	0	-1	-10	25	1	-1	7	20	0	0	-12	3	1	-0*	
-1	3	1	2*	-9	8	0	-1	8	13	0	-1	-11	25	1	H,K=	
0	20	1	-0	-8	20	0	-0	9	18	0	-0	-10	4	1	2	
1	9	1	1	-7	25	0	0	10	6	1	-0	-9	15	0	-1	
2	17	1	-1	-6	49	1	0	11	11	0	-0	-8	11	0	-0	
3	4	1	-0	-5	8	0	1	12	7	1	-0	-7	15	0	-7	
4	7	1	0	-4	32	1	1	13	15	0	1	-6	12	0	2	
5	1	3	1*	-3	4	0	1	14	10	1	-0	-5	7	0	1	
6	11	1	-0	-2	29	1	0	15	2	3	-1*	-4	5	1	-4	
7	6	1	2	-1	33	1	1	16	2	3	2*	-3	15	0	0	
8	9	1	-0	0	46	1	-1	17	10	1	-0	-2	6	1	-1	
9	2	3	0*	1	12	0	-0	18	5	1	1	-1	27	1	-1	
10	6	1	1	2	16	0	-1	H,K=	5,	3	0*	1	32	1	-1	
	H,K=	4,	7	3	18	0	0	-19	2	3	-0*	1	32	1	1	
-5	8	1	-0	4	33	1	-1	-18	10	1	0	2	3	1	2	
-4	4	1	-0*	5	4	1	1	-17	2	3	2*	3	26	1	-0	
-3	9	1	-0	6	28	1	1	-16	13	0	-0	4	13	0	-1	
-2	2	3	0*	7	19	0	-0	-15	1	3	-2*	5	31	1	-0	
-1	12	1	1	8	26	1	-0	-14	9	0	-0	6	7	1	-1	
0	9	1	0	9	10	0	-1	-13	10	0	-1	7	13	0	-0	
1	17	1	0	10	28	1	0	-12	27	1	0	8	2	2	0*	
2	5	1	-0	11	2	3	-2*	-11	4	1	0*	9	16	1	-0	
3	7	1	-1	12	20	0	0	-10	28	1	-0	10	1	3	1*	
	H,K=	5,	0	13	9	0	-0	-9	13	0	-0	11	13	0	-0	
-21	6	1	-1	14	13	0	1	-8	6	1	0	12	5	1	-0	
-19	8	0	-0	15	11	1	-0	-7	13	0	-1	13	15	0	-16	
-17	8	1	-0	16	12	1	0	-6	18	0	0	14	2	3	0*-14	
-15	23	1	0	17	0	3	-0*	-5	17	0	-0	15	15	1	-12	
-13	3	1	1	18	14	0	1	-4	13	0	-0	H,K=	5,	5	-10	
-11	18	0	-0	H,K=	5,	2	3	1*	-2	23	0	0	-15	4	1	0
-9	3	1	-0	-20	2	3	1*	-2	25	1	-0	-14	3	2	0*-6	
-7	62	1	1	-19	7	1	-0	-1	14	0	0	-13	3	3	1*	
-5	51	1	-1	-18	2	2	1*	0	47	1	-0	-12	6	1	-2	

STRUCTURE FACTORS CONTINUED FOR
LITHIUM BIS (IMINODIACETATE) NICKEL (III)

L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL				
0	33	1	-1	-14	14	0	-0	5	19	0	-0	-3	13	0	1	-17	3	1	2*
2	52	1	1	-13	2	3	2*	6	5	1	-0	-2	1	2	-1*-16	14	1	0	
4	44	1	-0	-12	21	0	0	7	21	0	-0	-1	14	0	-0	-15	2	2	-0*
6	45	1	1	-11	0	3	-3*	8	10	0	0	0	10	0	1	-14	19	0	0
8	14	0	-0	-10	17	0	0	9	17	1	-1	1	25	1	-1	-13	2	2	0*
10	27	1	0	-9	6	1	-0	10	3	1	1*	2	5	1	0	-12	19	0	0
12	24	1	0	-8	3	1	1	11	20	0	1	3	10	0	-1	-11	8	1	-0
14	13	1	0	-7	0	3	-1*	12	5	1	0	4	5	1	1	-10	18	0	0
16	12	0	0	-6	27	1	1	13	12	0	0	5	14	1	-0	-9	9	1	0
18	7	1	-1	-5	17	0	0	14	4	2	0*	6	3	2	1*	-8	10	0	-0
H,K=	6,	1	-4	30	1	-0	15	8	1	0	7	15	0	-0	-7	11	0	-0	
-21	3	3	-1*	-3	9	0	0	16	2	3	1*	8	4	1	1*	-6	29	1	-0
-20	4	1	3	-2	5	1	-2	H,K=	6,	4	9	11	1	-1	-5	17	0	-0	
-19	8	1	-1	-1	10	0	0	-17	3	3	1*	10	5	1	-1*	-4	23	0	-1
-18	5	1	-1	0	28	1	-1	-16	6	1	-1	11	9	1	-0	-3	19	0	1
-17	11	0	-0	1	14	0	0	-15	3	3	1*	H,K=	6,	6	-2	30	1	-1	
-16	6	1	-1	2	18	0	-1	-14	7	1	1	-10	10	1	-0	-1	4	1	-0*
-15	21	0	0	3	3	2	-1*-13	3	1	0*	-9	3	3	1*	0	20	0	0	
-14	4	1	0	4	1	2	-1*-12	10	0	0	-8	8	1	1	1	4	1	-1	
-13	6	0	1	5	8	1	-0	-11	5	1	3	-7	0	3	-0*	2	38	1	0
-12	3	1	0	6	32	1	0	-10	26	1	0	-6	10	1	-0	3	2	2	2*
-11	21	0	0	7	0	3	-0*	-9	3	2	0*	-5	5	1	3	4	24	1	-0
-10	1	2	-2*	8	12	0	-0	-8	16	0	-0	-4	8	1	-0	5	6	1	-1
-9	22	1	-1	9	0	2	-0*	-7	4	1	1	-3	0	3	-0*	6	18	0	-0
-8	18	0	0	10	10	0	0	-6	9	0	-0	-2	4	1	-0*	7	22	0	-0
-7	45	1	-1	11	5	1	1	-5	3	1	-1*	-1	4	1	2*	8	14	0	0
-6	17	0	1	12	17	0	-0	-4	26	1	0	0	12	1	1	9	15	0	0
-5	38	1	-0	13	3	1	-1*	-3	6	1	-0	1	2	3	0*	10	16	0	0
-4	5	0	-1	14	11	0	-0	-2	30	1	-1	2	7	1	0	11	3	2	2*
-3	13	0	-0	15	0	3	-0*	-1	6	1	-1	3	2	4	-0*	12	21	1	-0
-2	8	0	-0	16	11	0	1	0	30	1	-0	4	2	3	-1*	13	2	3	0*
-1	13	0	0	17	5	1	0	1	6	1	1	5	2	3	2*	14	12	1	-1
0	17	0	0	H,K=	6,	3	2	22	0	-0	6	14	1	0	15	0	3	-3*	
1	59	1	-0	-19	10	1	-0	3	2	2	0*	7	4	1	3*	16	8	1	0
2	3	1	0	-18	6	1	0	4	15	1	1	H,K=	7,	0	H,K=	7,	2		
3	33	1	0	-17	11	1	-0	5	7	1	0	-19	6	1	-0	-19	11	1	-0
4	14	0	-1	-16	2	3	-1*	6	23	1	-0	-17	7	1	0	-18	5	1	1
5	42	1	1	-15	16	0	-0	7	4	1	-0	-15	17	1	-0	-17	12	0	0
6	8	0	-1	-14	3	2	-1*	8	15	0	-1	-13	14	0	0	-16	7	1	-0
7	19	0	1	-13	8	1	0	9	4	1	-0*	-11	38	1	0	-15	9	1	-0
8	2	2	0*-12	2	2	-1*	10	18	0	-0	-9	26	1	-1	-14	5	1	-0	
9	10	0	-0	-11	18	0	-0	11	1	3	0*	-7	37	1	0	-13	2	2	-1*
10	11	0	-0	-10	8	0	-0	12	14	0	1	-5	12	0	0	-12	14	0	0
11	20	0	0	-9	8	0	-0	13	0	3	-1*	-3	19	0	0	-11	17	0	-0
12	16	0	-0	-8	12	0	0	14	11	1	0	-1	24	0	-0	-10	7	0	-1
13	19	1	-1	-7	10	0	-0	H,K=	6,	5	1	62	1	-0	-9	5	1	1	
14	10	0	0	-6	10	0	-1	-14	3	2	1*	3	53	1	-1	-8	10	0	0
15	10	1	-1	-5	23	0	0	-13	9	1	0	5	19	0	-0	-7	25	1	-0
16	6	1	1	-4	5	1	-0	-12	1	3	1*	7	6	1	-1	-6	11	0	-0
17	11	1	-1	-3	41	1	-1	-11	22	1	0	9	9	1	-0	-5	13	0	-0
H,K=	6,	2	-2	2	3	0*-10	2	3	-1*	11	13	1	-0	-4	2	2	1*		
-20	4	1	-2*	-1	29	1	-0	-9	16	0	-0	13	21	1	0	-3	24	0	-0
-19	1	3	1*	0	2	2	-0*	-8	7	1	-1	15	9	1	1	-1	21	0	1
-18	14	1	-1	1	30	1	0	-7	9	1	-1	-20	3	1	-0*	0	3	1	1*
-17	3	2	1*	2	5	1	1	-6	6	1	-0	-20	5	1	-0	1	17	0	1
-16	13	0	-1	3	5	1	-1	-5	9	1	1	-19	5	1	-0	1	17	0	1
-15	3	1	1	4	7	0	-1	-4	8	1	0	-18	7	1	-0	2	6	0	0

STRUCTURE FACTORS CONTINUED FOR
LITHIUM BIS (IMINODIACETATE) NICKEL (II)

L	F0B	SG	DEL	L	F0B	SG	DEL	L	F0B	SG	DEL	L	F0B	SG	DEL
3	6	0	0	-8	3	1	-0*	2	3	4	0*	14	1	3	1*
4	3	1	0	-7	18	0	-1	3	8	1	0	15	9	1	0
5	18	0	-0	-6	3	1	2*	4	3	4	1*	H,K=	8,	2	4
6	9	0	-0	-5	16	0	1	5	12	1	-1	-19	0	3	-1*
7	25	1	-0	-4	5	1	0	H,K=	8,	0	-18	10	1	-0	6
8	4	1	-1	-3	26	1	0	-20	3	2	1*-17	5	1	2	7
9	20	0	0	-2	9	0	1	-18	5	1	-0	-16	7	1	1
10	1	3	1*	-1	19	0	-0	-16	20	0	1	-15	3	2	2*
11	20	0	-0	0	2	2	1*	-14	22	1	0	-14	8	1	-0
12	0	3	-1*	1	19	0	-0	-12	12	0	-1	-13	4	1	0
13	16	0	-0	2	3	1	1*	-10	23	1	-1	-12	7	0	0
14	1	3	-1*	3	15	0	-0	-8	3	1	-1*	-11	4	1	0*
15	6	1	1	4	5	1	1	-6	24	1	-0	-10	15	0	1
16	3	3	1*	5	13	0	-0	-4	37	1	-0	-9	6	1	H,K=
H,K=	7,	3	6	0	2	-0*	-2	31	1	-0	-8	12	0	0	-15
-18	11	0	-0	7	18	0	-0	0	29	1	-1	-7	8	0	1
-17	2	3	0*	8	0	3	-2*	2	20	0	0	-6	37	1	-12
-16	8	1	1	9	13	1	-1	4	7	1	-0	-5	2	2	-1*-11
-15	3	3	2*	10	2	3	0*	6	3	1	1*	-4	13	0	0
-14	5	1	1	11	6	1	0	8	6	1	1	-3	8	1	0
-13	0	3	-3*	12	3	2	1*	10	23	1	1	-2	6	0	1
-12	12	1	1	H,K=	7,	5	12	17	0	-0	-1	5	1	0	-7
-11	0	2	-0*	-13	5	1	2	-14	11	0	1	0	20	0	-1
-10	17	0	0	-12	10	1	-1	H,K=	8,	1	1	4	1	-0	-5
-9	4	1	-1	-11	3	2	1*	-19	6	1	-0	2	17	0	0
-8	15	0	-0	-10	15	0	0	-18	1	3	-0*	3	2	-0*	-3
-7	4	1	0*	-9	3	2	0*	-17	6	1	1	4	27	1	-1
-6	31	1	0	-8	6	1	-1	-16	2	3	-1*	5	6	1	0
-5	9	0	-0	-7	0	3	-1*	-15	14	1	-0	6	40	1	0
-4	20	0	0	-6	7	1	-1	-14	6	1	0	7	5	1	2
-3	3	1	-1*	-5	6	1	0	-13	12	0	0	8	18	0	1
-2	19	0	-1	-4	10	1	0	-12	6	1	-1	9	2	3	1*
-1	3	1	2*	-3	3	2	-0*	-11	26	1	-0	10	13	0	0
0	10	0	-0	-2	20	1	-0	-10	1	2	-2*	11	6	1	-0*
1	5	1	-0	-1	5	1	1	-9	7	0	0	12	10	0	-1
2	15	0	0	0	17	0	0	-8	8	0	0	13	2	3	1
3	2	3	-1*	1	10	1	1	-7	10	0	0	14	11	1	-1
4	13	0	-0	2	16	0	0	-6	6	1	-1	H,K=	8,	3	1*
5	1	2	0*	3	2	3	1*	-5	30	1	-0	-17	9	1	10
6	28	1	-1	4	6	1	-1	-4	12	0	0	-16	4	1	11
7	8	1	0	5	3	2	0*	-3	25	1	-0	-15	9	1	H,K=
8	22	1	-0	6	10	1	0	-2	11	0	-1	-14	2	3	-1*-12
9	9	1	-0	7	3	2	-1*	-1	26	1	-0	-13	4	1	0
10	11	0	0	8	11	1	0	0	6	0	0	-12	2	2	2
11	3	1	-0*	9	4	1	-2	1	25	1	-0	-11	22	1	-9
12	10	1	0	10	9	1	-0	2	3	1	1*	-10	4	1	-8
13	4	1	2	H,K=	7,	6	3	7	0	-0	-9	19	0	0	12
14	9	1	0	-8	2	3	1*	4	8	1	-1	-8	7	1	0
H,K=	7,	4	-7	8	1	-0	5	23	0	0	-7	15	0	0	-5
-16	2	4	-0*	-6	3	4	1*	6	15	0	0	-6	4	1	1
-15	11	1	0	-5	11	1	1	7	17	0	0	-5	14	0	-3
-14	1	4	0*	-4	4	1	2*	8	0	2	-1*	-4	0	2	2
-13	7	1	0	-3	8	1	0	9	17	0	-1	-3	10	0	-1
-12	1	3	0*	-2	3	3	1*	10	9	0	1	-2	3	1	1
-11	22	1	1	-1	7	1	-0	11	16	0	0	-1	18	0	0
-10	3	2	1*	0	5	1	-0	12	2	3	-1*	0	13	0	2
-9	17	1	-1	1	8	1	-1	13	13	0	-0	1	21	0	3

STRUCTURE FACTORS CONTINUED FOR
LITHIUM BIS (IMINODIACETATE) NICKEL (II)

L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL	
4	2	4	2*	7	0	3	-2*	0	21	1	-0	-12	11	0	0	-4	12	1	1	
5	11	1	0	8	12	0	0	1	1	3	-0*	-10	20	0	0	-3	0	4	-1*	
6	4	2	1*	9	3	1	1*	2	21	1	-0	-8	2	2	-1*	-2	24	1	0	
7	11	1	1	10	11	0	1	3	5	1	-0	-6	14	0	-0	-1	4	2	-0*	
8	6	1	1	11	4	1	1*	4	7	1	-1	-4	10	0	0	0	22	1	0	
	H,K=	8,	6	12	14	1	0	5	3	1	-2*	-2	6	0	1	1	3	1	3*	
-5	1	3	-2*	13	3	2	2*	6	17	0	-0	0	5	1	1	2	15	0	0	
-4	6	2	-2*	H,K=	9,	2	7	4	1	1	2	21	0	-0	3	4	1	-0		
-3	1	3	1*	-18	4	4	-1*	8	10	1	0	4	21	0	0	4	12	0	0	
-2	8	1	1	-17	6	1	0	9	3	2	2*	6	16	0	-1	5	3	1	0*	
-1	3	2	0*	-16	2	3	1*	10	9	1	0	8	12	0	0	6	12	1	-1	
0	12	1	-0	-15	8	1	-0	11	4	1	0	10	6	1	-0	7	2	3	-0*	
1	2	3	1*	-14	1	3	-1*	H,K=	9,	4	12	10	1	-0	8	11	1	1		
	H,K=	9,	0	-13	11	0	1	-14	2	3	0*	H,K=	10,	1	9	4	1	1		
-19	4	2	2*	-12	6	1	1	-13	5	1	0	-17	8	1	0	10	10	1	0	
-17	7	1	-0	-11	16	0	0	-12	3	4	1*	-16	1	3	-2*	11	1	3	-0*	
-15	16	1	-1	-10	2	3	-0*	-11	13	0	1	-15	11	1	0	H,K=	10,	3		
-13	14	0	-0	-9	17	0	0	-10	1	3	-3*	-14	6	1	1	-15	7	1	0	
-11	12	0	0	-8	1	3	-0*	-9	12	1	0	-13	10	1	1	-14	3	3	1*	
-9	2	2	0*	-7	14	0	-0	-8	2	3	1*	-12	1	3	0*	-13	5	1	1	
-7	10	0	0	-6	8	1	-0	-7	5	1	-0	-11	13	0	0	-12	0	3	-0*	
-5	39	1	0	-5	16	0	1	-6	0	3	-1*	-10	6	1	1	-11	12	1	-0	
-3	32	1	-0	-4	3	1	-0*	-5	8	1	0	-9	8	1	-0	-10	5	1	0	
-1	3	1	-1*	-3	20	0	-0	-4	2	3	-2*	-8	9	0	-0	-9	12	0	0	
1	3	2	-0*	-2	2	3	2*	-3	10	1	0	-7	17	0	1	-8	2	3	1*	
3	3	1	-1*	-1	18	0	-0	-2	4	1	2	-6	6	0	0	-7	11	1	-1	
5	15	0	-0	0	3	1	-0*	-1	10	0	1	-5	20	0	-0	-6	8	1	1	
7	30	1	1	1	30	1	-2	0	5	1	1	-4	4	1	-1	-5	11	1	-0	
9	12	1	-0	2	3	1	-0	1	18	0	-0	-3	12	0	-0	-4	0	3	-1*	
11	11	0	1	3	25	1	0	2	6	1	1	-2	7	1	-0	-3	12	1	-0	
13	9	1	-0	4	3	1	-0*	3	5	1	0	-1	11	0	0	-2	8	1	-1	
	H,K=	9,	1	5	25	1	-0	4	3	3	2*	0	9	0	-0	-1	16	1	-0	
-18	9	1	1	6	5	1	-1	5	3	1	2*	1	13	0	-0	0	9	1	-1	
-17	7	1	1	7	16	0	1	6	3	2	1*	2	10	0	-0	1	15	0	-0	
-16	9	1	-0	8	5	1	0	7	11	1	-0	3	20	0	1	2	6	1	-1	
-15	4	1	1	9	4	1	-1	8	1	3	-0*	4	2	3	2*	3	14	0	1	
-14	12	0	1	10	3	2	-1*	9	9	1	-0	5	17	1	-1	4	3	3	-1*	
-13	1	3	1*	11	14	1	1	H,K=	9,	5	6	6	1	-0	5	6	1	-1		
-12	7	0	-0	12	2	3	0*	-10	12	1	0	7	15	0	0	6	2	3	-2*	
-11	5	1	1	13	13	1	-0	-9	4	1	3	8	4	1	2	7	9	1	0	
-10	17	0	-0	H,K=	9,	3	-8	7	1	0	9	8	1	0	8	7	1	1		
-9	3	1	-1*	-16	7	1	-1	-7	5	1	0	10	4	1	-2*	9	11	1	1	
-8	13	0	0	-15	3	3	-1*	-6	7	1	1	11	10	0	1	H,K=	10,	4		
-7	0	3	-2*	-14	9	1	0	-5	5	1	-1	12	4	4	-0*	-12	2	3	-2*	
-6	22	0	-0	-13	2	3	-0*	-4	10	1	1	H,K=	10,	2	-11	3	3	2*		
-5	15	0	0	-12	8	1	-1	-3	2	3	-1*	-16	6	1	1	-10	8	1	-1	
-4	25	1	0	-11	3	3	0*	-2	11	0	0	-15	5	2	-0*	-9	2	3	2*	
-3	10	0	0	-10	16	1	-0	-1	3	2	2*	-14	9	1	0	-8	2	3	1*	
-2	13	0	0	-9	6	1	0	0	13	1	-1	-13	0	3	-1*	-7	4	1	1*	
-1	5	1	-0	-8	11	1	-0	1	2	3	-0*	-12	11	1	0	-6	10	1	-0	
0	10	0	-1	-7	5	1	0	2	14	1	-0	-11	5	1	-0	-5	2	3	1*	
1	2	2	2*	-6	12	0	-0	3	1	3	-0*	-10	16	1	-1	-4	11	1	1	
2	24	1	0	-5	11	0	-1	4	2	3	-0*	-9	2	3	-1*	-3	4	1	0	
3	11	0	0	-4	12	0	1	5	2	3	0*	-8	14	1	-1	-2	11	1	0	
4	13	0	-0	-3	5	1	1	-16	8	1	0	-7	3	3	0*	-1	5	1	0	
5	6	1	1	-2	16	0	1	-16	8	1	0	-6	19	1	-0	0	10	0	0	
6	25	1	0	-1	3	1	0	0*	-14	6	1	0	-5	4	2	1*	1	2	3	1*

STRUCTURE FACTORS CONTINUED FOR
LITHIUM BIS (IMINODIACETATE) NICKEL (II)

L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL
2	7	1	-2	-11	13	0	-0	-10	8	1	-0	-3	6	1	-1				
3	2	3	2*	-10	5	1	0	-8	6	1	1	-2	1	3	1*				
4	3	1	1*	-9	18	0	0	-6	17	1	-0	-1	6	1	0				
5	2	3	1*	-8	2	2	2*	-4	24	1	1	0	1	3	0*				
6	8	1	-1	-7	9	1	-0	-2	11	0	-1	1	12	1	0				
H,K=	10,	5	-6	4	1	-1	0	7	1	1	2	2	3	1*					
-6	4	1	-0*	-5	12	0	0	2	12	0	-0	3	11	1	0				
-5	10	1	-0	-4	3	3	-1*	4	11	1	0	H,K=	13,	0					
-4	5	1	2	-3	9	1	1	6	20	1	-0	-9	11	1	-0				
-3	10	1	0	-2	4	2	-0*	H,K=	12,	1	-7	11	1	0					
-2	4	1	-0*	-1	12	0	1	-13	7	1	0	-5	12	1	0				
-1	13	0	1	0	3	1	2	-12	1	3	1*	-3	4	1	-2*				
0	2	3	1*	1	16	0	1	-11	10	1	-0	-1	10	1	0				
H,K=	11,	0	2	4	2	-1*	-10	0	3	-1*	1	10	1	1	-0				
-15	8	1	1	3	11	1	1	-9	11	1	1	3	13	1	1				
-13	3	2	-2*	4	0	2	-0*	-8	1	3	-2*	H,K=	13,	1					
-11	8	1	-1	5	9	1	-0	-7	6	1	-0	-10	8	1	-1				
-9	8	1	2	6	6	1	1	-6	6	1	1	-9	3	2	1*				
-7	4	4	-0*	7	6	1	1	-5	12	0	0	-8	7	1	0				
-5	18	1	-1	8	3	2	-1*	-4	3	2	-1*	-7	1	3	-1*				
-3	11	1	-1	H,K=	11,	3	-3	15	1	-0	-6	12	1	-0					
-1	17	1	1	-12	3	4	-2*	-2	3	1	-0*	-5	4	1	1				
1	20	1	-1	-11	0	3	-1*	-1	13	1	1	-4	10	1	-0				
3	9	1	2	-10	13	1	0	0	2	4	-0*	-3	2	3	-0*				
5	13	0	-1	-9	0	3	-1*	1	12	0	0	-2	7	1	0				
7	16	0	0	-8	8	1	-1	2	1	3	-1*	-1	4	1	-1*				
9	10	0	0	-7	3	4	1*	3	7	1	0	0	6	1	-0				
H,K=	11,	1	-6	12	1	0	4	2	3	2*	1	4	1	-0*					
-15	3	3	-1*	-5	5	1	0	5	8	1	0	2	7	1	-1				
-14	9	1	-0	-4	11	0	1	6	3	2	2*	3	2	3	0*				
-13	3	3	-1*	-3	10	1	-0	7	15	1	1	H,K=	13,	2					
-12	10	1	-0	-2	9	1	-0	H,K=	12,	2	-2	-7	3	2	1*				
-11	2	3	-2*	-1	6	1	-0	-12	7	2	-1	-6	2	2	2*				
-10	17	0	0	0	13	1	-0	-11	0	3	-1*	-5	9	1	-1				
-9	3	2	2*	1	3	1	0*	-10	8	1	-1	-4	2	3	2*				
-8	2	3	0*	2	9	0	1	-9	0	3	-0*	-3	10	1	0				
-7	0	3	-2*	3	0	3	-2*	-8	7	1	1	-2	3	3	-0*				
-6	11	1	1	4	5	1	0	-7	3	1	2*	-1	7	1	0				
-5	8	1	0	5	4	1	1*	-6	3	1	0*	0	2	3	-0*				
-4	17	1	0	6	12	1	1	-5	2	3	2*								
-3	11	1	-0	H,K=	11,	4	-4	9	1	1									
-2	14	1	-1	-9	7	1	1	-3	2	3	-0*								
-1	0	4	-1*	-8	3	3	1*	-2	13	1	-1								
0	18	1	0	-7	7	1	-1	-1	3	1	2*								
1	2	3	0*	-6	3	2	1*	0	9	1	-0								
2	13	1	0	-5	17	1	1	1	5	1	2								
3	2	3	1*	-4	1	3	-0*	2	8	1	-1								
4	10	1	1	-3	7	1	1	3	3	2	0*								
5	4	1	3	-2	5	1	1	4	2	3	-0*								
6	14	0	-0	-1	6	1	1	5	3	2	1*								
7	1	3	-0*	0	5	1	1	H,K=	12,	3									
8	8	1	0	1	9	1	-1	-9	10	1	-0								
9	5	1	0	2	3	4	2*	-8	4	1	4*								
H,K=	11,	2	3	5	2	-1*	-7	6	1	-0									
-14	3	2	2*	H,K=	12,	0	-6	3	2	2	-0*								
-13	7	1	-0	-14	3	2	-1*	-5	9	1	1								
-12	3	2	-1*	-12	7	1	-0	-4	5	1	1								

OBSERVED STRUCTURE FACTORS, STANDARD DEVIATIONS, AND DIFFERENCES (ALL X 1.0)
 CESIUM BIS (IMINODIACETATE) NICKEL (II)

 $F(0,0,0) = 622$

FOB AND FCA ARE THE OBSERVED AND CALCULATED STRUCTURE FACTORS.

SG = ESTIMATED STANDARD DEVIATION OF FCB. DEL = |FOB| - |FCA|.

* INDICATES ZERO WEIGHTED DATA.

L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL	
H,K=	0, 0	7	39	1	-0	0	13	1	-1	24	25	1	-0	22	4	1	0			
2	48	2	3	8	-41	1	-1	1	131	2	0	25	14	2	-0	23	6	2	-3*	
4	98	2	2	9	114	2	1	2	34	1	-1	26	15	2	-1	24	6	8	1*	
6	49	1	0	10	149	2	3	3	97	1	-2	27	0	5	-1*	H,K=	0,	8		
8	86	1	2	11	124	2	3	4	47	1	-1	H,K=	0,	6	0	60	1	-1		
10	152	2	2	12	37	1	0	5	39	1	0	0	24	1	-1	1	4	2	2*	
12	30	1	1	13	30	1	-1	6	48	1	-1	1	89	1	0	2	64	1	-1	
14	50	1	1	14	77	1	1	7	24	0	-1	2	88	1	-1	3	18	1	0	
16	18	0	-1	15	28	1	0	8	14	0	-0	3	31	1	-0	4	14	0	0	
18	22	1	-1	16	31	1	-1	9	120	2	2	4	27	0	-1	5	18	1	-0	
20	74	1	1	17	22	1	-1	10	36	1	-1	5	8	1	0	6	5	1	1*	
22	44	1	-0	18	16	0	-0	11	73	1	-1	6	20	0	-0	7	4	1	-0*	
24	37	1	1	19	27	1	-1	12	23	0	-0	7	57	1	-1	8	63	1	-1	
26	1	3	-2*	20	55	1	-1	13	75	1	0	8	77	1	-1	9	3	2	2*	
28	10	1	-1	21	28	1	-0	14	30	1	-0	9	54	1	-0	10	30	1	1	
H,K=	0, 1	22	8	1	-1	15	7	1	0*	10	36	1	-1	11	14	1	0			
1	46	1	0	23	21	1	-1	16	25	1	0	11	43	1	-0	12	61	1	1	
2	31	1	0	24	29	1	0	17	29	1	-1	12	43	1	-0	13	3	5	1*	
3	178	3	8	25	0	16	-1*	18	7	2	-1*	13	26	1	-0	14	5	2	3*	
4	37	1	-1	26	18	1	0	19	60	1	-0	14	16	1	0	15	4	5	-1*	
5	121	2	4	27	0	8	-0*	20	12	2	-1	15	14	0	-0	16	8	1	0	
6	98	2	3	28	0	5	-2*	21	39	1	0	16	25	1	0	17	4	4	-0*	
7	178	3	2	29	0	15	-12*	22	16	1	-0	17	19	1	-0	18	36	1	0	
8	21	1	0	H,K= 0, 3				23	25	1	1	18	33	1	0	19	4	4	1*	
9	50	1	2	1	10	1	1	24	9	1	-0	19	22	1	-1	20	7	3	-0*	
10	10	1	0	2	123	2	2	25	13	1	1	20	10	1	1	21	6	6	-0*	
11	11	1	1	3	111	2	0	26	9	2	-0*	21	25	1	1	22	34	1	1	
12	3	9	-3*	4	171	3	2	27	9	3	-2*	22	24	1	0	H,K= 0, 9				
13	115	2	1	5	35	1	1	28	0	5	-3*	23	18	1	-1	1	18	0	-0	
14	52	1	0	6	98	2	-1	H,K= 0, 5				24	5	3	-2*	2	6	1	1	
15	60	1	0	7	72	1	-1	1	56	1	-1	25	0	4	-4*	3	31	1	-0	
16	23	2	-2	8	71	1	1	2	45	1	-1	H,K= 0, 1				7	4	11	1	
17	89	1	1	9	32	1	-0	3	3	3	1*	1	49	1	0	5	73	1	1	
18	19	4	-5*	10	9	0	0	4	116	2	1	2	10	0	0	6	14	1	0	
19	8	16	-5*	11	30	1	-1	5	58	1	-1	3	18	0	-0	7	14	1	-1	
20	8	17	-3*	12	55	1	-0	6	96	1	-0	4	30	1	1	8	10	1	0	
21	4	5	-0*	13	65	1	-0	7	5	2	2*	5	97	2	-1	9	32	1	1	
22	13	33	-6*	14	48	1	-0	8	53	1	-0	6	46	1	0	10	5	2	-1*	
23	33	4	-6	15	0	3	-1*	9	59	1	0	7	32	1	-1	11	26	1	-0	
24	4	34	-3*	16	55	1	1	10	27	1	0	8	18	0	0	12	3	3	2*	
25	8	12	-3*	17	39	1	-0	11	35	1	1	9	45	1	-0	13	5	1	1*	
26	0	36	-8*	18	58	1	0	12	44	1	-1	10	3	4	0*	14	7	1	0	
27	32	1	-0	19	0	5	-3*	13	3	3	-1*	11	12	1	-0	15	41	1	1	
28	0	15	-10*	20	15	1	-1	14	64	1	-0	12	5	2	1*	16	9	2	2	
29	7	2	0*	21	15	1	-0	15	25	1	0	13	23	0	-0	17	18	1	-0	
H,K=	0, 2	22	12	1	-1	16	54	1	-1	14	30	1	-0	18	5	1	-0			
0	88	1	4	23	22	1	-1	17	0	4	-2*	15	64	1	-0	19	20	1	0	
1	129	2	5	24	21	1	-0	18	27	1	0	16	23	1	-0	20	6	5	-3*	
2	90	1	0	25	2	6	-4*	19	28	1	0	17	14	1	0	H,K= 0, 10				
3	6	1	1*	26	30	1	0	20	14	1	0	18	10	1	1	0	12	1	2	
4	67	1	0	27	18	1	-1	21	16	1	-0	19	32	1	0	1	22	1	0	
5	13	0	-0	28	18	3	-1	22	12	1	-1	20	3	4	0*	2	47	1	1	
6	70	1	-2	H,K= 0, 4				23	9	1	-2	21	9	1	-1	3	19	1	1	

STRUCTURE FACTORS CONTINUED FOR
CESIUM BIS (IMINODIACETATE) NICKEL (II)

L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL
4	7	1	1	12	119	2	1	18	0	4	-7*	16	12	0	-1
5	2	3	2*	14	21	0	1	19	34	1	1	17	29	1	-1
6	11	1	-0	16	4	5	1*	20	0	40	-3*	18	55	1	-1
7	12	1	0	18	60	1	0	21	29	1	-1	19	45	1	-1
8	36	1	1	20	36	1	-0	22	0	25	-3*	20	14	1	-1
9	14	1	0	22	60	1	0	23	8	10	-5*	21	35	1	-0
10	15	1	1	24	2	4	2*	24	0	55	-8*	22	40	1	-0
11	26	1	0	26	2	5	-1*	25	31	13	-9*	23	20	2	0
12	36	1	1	28	21	1	-1	26	13	18	-6*	24	0	6	-1*
13	11	1	0	H,K=	1.	1	27	10	7	-2*	25	0	7	-1*	24
14	2	5	1*-29	25	1	0	28	2	5	-0*	26	5	4	-2*	25
15	11	1	1	-28	0	20	-5*	H,K=	1,	2	27	3	8	-4*	26
16	5	2	3*-27	10	1	-1	-29	0	15	-6*	28	17	1	-1	27
17	9	1	1	-26	5	17	-3*-28	18	1	-0	H,K=	1,	3	H,K=	1,
H,K=	0,	11	-25	34	3	-4	-27	1	8	1*	-28	15	1	-0	-28
1	21	1	-1	-24	11	53	-8*-26	17	1	0	-27	0	4	-2*	-27
2	9	1	1	-23	0	25	-4*-25	15	17	-5*-26	23	1	1	-26	8
3	2	4	-1*-22	4	2	-3*-24	0	5	-2*-25	18	1	-1	-25	12	
4	30	1	-0	-21	5	5	-0*-23	22	1	-0	-24	25	1	1	-24
5	33	1	1	-20	0	75	-3*-22	49	1	1	-23	3	6	-1*	-23
6	27	1	-0	-19	36	70	-15*-21	23	1	-1	-22	5	2	1*	-22
7	3	4	2*-18	45	9	-6*-20	30	1	-0	-21	12	1	1	-21	40
8	14	1	0	-17	33	1	-0	-19	27	1	-0	-20	31	1	-0
9	11	1	-1	-16	23	3	-2	-18	39	1	0	-19	28	1	-0
10	0	4	-2*-15	112	2	1	-17	30	1	0	-19	31	1	1	-18
11	10	1	-0	-14	16	4	-3*-16	34	1	0	-17	3	5	-3*	-17
12	3	4	-1*-13	25	0	0	-15	14	1	-0	-16	72	1	-0	-16
13	6	2	2*-12	12	1	1	-14	13	1	-1	-15	68	1	0	-15
H,K=	0,	12	-11	12	1	-1	-13	57	1	0	-14	66	1	0	-14
0	9	1	1	-10	34	1	0	-12	98	2	2	-13	8	1	-0
1	24	1	0	-9	85	1	-1	-11	68	1	1	-12	8	0	1
2	15	1	0	-8	2	3	-3*-10	36	1	-0	-11	52	1	-0	-11
3	14	1	0	-7	142	2	2	-9	82	1	1	-10	19	0	1
4	11	1	1	-6	25	0	-0	-8	77	1	-1	-9	73	1	-0
5	3	4	2*	-5	212	3	4	-7	29	1	-0	-8	58	1	-2
6	6	1	-1*	-4	24	0	-0	-6	67	1	1	-7	24	0	0
H,K=	1,	0	-3	29	1	-1	-5	65	1	2	-6	164	2	5	-6
-28	21	1	1	-2	54	1	-1	-4	30	1	1	-5	139	2	5
-26	9	1	1	-1	61	1	1	-3	168	3	9	-4	117	2	2
-24	23	1	-0	0	5	1	4*	-2	178	3	16	-3	31	1	0
-22	51	1	-0	1	113	2	8	-1	164	2	18	-2	22	0	-2
-20	19	0	-0	2	24	0	-0	0	141	2	13	-1	40	1	-1
-18	67	1	0	3	95	1	4	1	45	1	-2	0	17	0	-0
-16	46	1	-0	4	163	3	7	2	129	2	7	1	86	1	2
-14	44	1	1	5	203	3	5	3	76	1	1	2	128	2	6
-12	149	2	5	6	36	1	-0	4	26	0	0	3	52	1	1
-10	94	1	3	7	31	1	-0	5	28	1	-0	4	163	2	9
-8	129	2	3	8	62	1	2	6	3	4	2*	5	60	1	-2
-6	62	1	2	9	93	1	2	7	74	1	2	6	97	1	1
-4	68	1	4	10	18	0	0	8	153	2	5	7	33	1	0
-2	225	4	-24	11	74	1	1	9	42	1	-0	8	35	1	0
0	39	1	-0	12	38	1	0	10	40	1	1	9	27	0	-0
2	184	3	-19	13	62	1	1	11	61	1	0	10	3	2	0*
4	51	1	1	14	13	5	-4*	12	84	1	1	11	39	1	-1
6	94	1	1	15	113	2	1	13	56	1	1	12	49	1	-0
8	180	3	-2	16	32	3	-3	14	13	1	-1	13	2	3	-0*
10	70	1	-1	17	36	1	-0	15	7	1	-1	14	74	1	0

STRUCTURE FACTORS CONTINUED FOR
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L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL
15	3	4	1*	16	46	1	-0	19	29	1	-0	-22	9	2	1*
16	17	1	-0	17	36	1	-0	20	33	1	1	-21	12	2	-0
17	46	1	-1	18	39	1	0	21	27	1	0	-20	31	1	-2
18	23	1	-1	19	4	4	-1*	22	13	1	-0	-19	2	6	-0*
19	31	1	0	20	9	1	0	23	14	1	0	-18	2	4	-2*
20	2	4	-2*	21	11	1	1	24	18	1	2	-17	7	1	0
21	40	1	-0	22	13	1	-1	25	0	6	-1*	-16	6	1	1*
22	11	1	0	23	20	1	0	H,K=	1,	7	-15	1	5	0*	-1
23	21	1	1	24	19	1	-0	-24	13	1	0	-14	35	1	1
24	12	1	-1	25	0	7	-1*	-23	15	1	-1	-13	7	2	3*
25	0	5	-2*	26	21	1	0	-22	5	6	4*	-12	28	1	1
26	6	4	1*	H,K=	1,	6	-21	15	1	1	-11	4	5	1*	3
27	6	2	-2*-26	7	2	2*-20	1	4	-1*	-10	79	1	0	4	2
H,K=	1,	5	-25	6	7	0*-19	8	1	-0	-9	7	2	2*	5	2
-27	14	2	-1	-24	25	1	1	-18	20	1	-1	-8	4	1	-0*
-26	21	1	0	-23	16	1	0	-17	54	1	0	-7	2	4	2*
-25	9	2	-0*	-22	13	1	0	-16	11	1	-0	-6	23	1	-1
-24	16	1	1	-21	23	1	0	-15	16	0	1	-5	3	3	0*
-23	12	1	1	-20	34	1	0	-14	22	0	-0	-4	49	1	0
-22	9	1	-1	-19	25	1	-1	-13	45	1	-1	-3	7	1	1
-21	25	1	0	-18	7	1	-1*	-12	22	1	-0	-2	44	1	-0
-20	17	1	-0	-17	4	4	-1*	-11	31	1	0	-1	17	0	1
-19	12	1	-0	-16	11	1	-0	-10	8	1	0	0	79	1	-1
-18	33	1	-1	-15	10	1	-1	-9	13	1	0	1	13	0	1
-17	22	1	-0	-14	43	1	0	-8	27	1	0	2	14	1	-0
-16	57	1	-0	-13	30	1	-0	-7	72	1	-0	3	6	1	1*
-15	20	1	-0	-12	17	1	-0	-6	34	1	0	4	27	1	0
-14	49	1	-1	-11	61	1	-1	-5	37	1	-1	5	17	1	-0
-13	29	1	0	-10	56	1	0	-4	20	0	-0	6	36	1	-0
-12	10	1	0	-9	49	1	-1	-3	68	1	-0	7	15	0	-0*
-11	22	1	0	-8	5	1	-1*	-2	20	0	0	8	35	1	-0
-10	23	0	1	-7	17	1	-1	-1	22	0	1	9	14	1	-0
-9	12	1	0	-6	11	0	-1	0	13	0	-1	10	67	1	-14
-8	77	1	-0	-5	6	1	-1	1	2	3	1*	11	3	7	0*-13
-7	62	1	-1	-4	50	1	-1	2	27	1	1	12	17	1	-0
-6	98	2	0	-3	59	1	1	3	91	1	-0	13	6	2	-1*-11
-5	44	1	-0	-2	35	1	-0	4	41	1	0	14	30	1	1
-4	89	1	-0	-1	82	1	1	5	40	1	0	15	5	1	0*
-3	13	0	-1	0	101	2	0	6	13	0	1	16	22	1	0
-2	48	1	-1	1	62	1	-1	7	68	1	0	17	0	4	-2*
-1	52	1	-0	2	16	0	-0	8	31	1	0	18	13	1	0
0	19	0	-0	3	31	1	0	9	7	1	1	19	6	4	-2*
1	22	0	0	4	58	1	-2	10	1	3	0*	20	34	1	-0
2	77	1	-0	5	23	0	0	11	16	0	-1	21	5	7	4*
3	76	1	-0	6	67	1	0	12	22	1	-0	H,K=	1,	9	-2
4	85	1	0	7	39	1	-0	13	48	1	1	-20	7	2	1*
5	20	0	0	8	10	1	-0	14	22	1	-1	-19	8	3	-1*
6	95	1	1	9	51	1	0	15	20	1	-0	-18	9	1	-1
7	59	1	0	10	59	1	0	16	22	1	0	-17	28	1	0
8	46	1	-0	11	47	1	-1	17	47	1	1	-16	7	2	2*
9	24	0	-0	12	22	1	-0	18	0	6	-2*	-15	17	1	0
10	12	0	0	13	17	1	0	19	1	6	-3*	-14	5	3	-1*
11	42	1	-1	14	24	0	0	20	2	3	1*	-13	31	1	1
12	57	1	-1	15	3	3	2*	21	5	2	3*	-12	6	1	-0
13	41	1	1	16	32	1	-1	22	17	1	1	-11	17	1	0
14	55	1	-1	17	17	1	-1	23	19	1	0	-10	9	1	0
15	3	2	-0*	18	2	3	0*	H,K=	1,	8	-9	0	4	-0*	10

STRUCTURE FACTORS CONTINUED FOR
CESIUM BIS (IMINODIACETATE) NICKEL (II)

L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL
11	11	1	-0	-4	86	1	-1	11	27	0	-0	11	46	1	0
12	8	2	3*	-2	144	2	-1	12	48	1	-0	12	12	0	1
13	14	1	2	0	136	2	-1	13	82	1	1	13	49	1	0
14	16	1	1	2	70	1	-1	14	19	1	-0	14	10	1	1
15	0	4	-1*	4	72	1	0	15	42	1	-1	15	13	0	0
16	16	1	-0	6	101	2	-1	16	7	7	-4*	16	31	1	1
H,K#	1,	11	8	88	1	1	17	62	1	1	17	28	1	-0	17
-13	15	1	0	10	123	2	1	18	18	4	-3*	18	14	1	-2
-12	8	1	-1	12	41	1	1	19	9	2	-2*	19	38	1	-0
-11	6	2	4*	14	26	1	0	20	3	10	-0*	20	44	1	0
-10	11	1	2	16	69	1	-0	21	6	1	-2*	21	29	1	1
-9	0	5	-3*	18	34	1	0	22	0	18	-7*	22	8	2	-2*
-8	23	1	1	20	68	1	-0	23	41	1	-1	23	4	2	-1*
-7	19	1	2	22	10	1	2	24	0	20	-9*	24	10	1	1
-6	26	1	1	24	22	1	1	25	19	1	1	25	0	5	-1*
-5	5	2	1*	26	18	1	0	26	0	5	-6*	26	10	1	-1
-4	19	1	0	H,K#	2,	1	27	23	1	1	27	12	1	1	H,K#
-3	25	1	1	-29	0	7	-6*	H,K#	2,	2	H,K#	2,	3	-27	0
-2	8	1	1	-28	0	12	-3*-28	0	6	-2*	-28	12	2	-1	-26
-1	12	1	1	-27	26	2	-4	-27	0	9	-5*-27	14	1	-2	-25
0	2	4	2*-26	7	38	-3*-26	0	19	-4*-26	15	1	-0	-24	10	2
1	6	1	1*-25	6	3	-3*-25	10	15	-5*-25	3	4	2*-23	33	1	0
2	29	1	1	-24	8	9	-4*-24	33	1	-0	-24	15	1	0	-22
3	29	1	1	-23	14	2	-0	-23	12	1	-0	-23	23	1	1
4	20	1	1	-22	0	18	-2*-22	14	2	-2	-22	3	4	1*-20	13
5	2	4	2*-21	29	6	-5*-21	31	1	0	-21	10	1	-1	-19	18
6	19	1	1	-20	12	13	-6*-20	36	1	1	-20	20	1	-0	-18
7	29	1	1	-19	17	1	-1	-19	21	1	1	-19	0	6	-4*-17
8	17	1	1	-18	0	15	-4*-18	0	3	-1*-18	55	1	-0	-16	30
9	14	1	-0	-17	78	1	1	-17	22	0	0	-17	47	1	-0
12	11	1	-1	-16	30	1	0	-16	5	1	1*-16	57	1	-1	-14
H,K#	1,	12	-15	30	1	1	-15	6	3	-1*-15	2	4	0*-13	48	1
-6	8	1	0	-14	6	2	0*-14	56	1	0	-14	35	1	0	-12
-5	5	8	-0*	-13	70	1	1	-13	56	1	0	-13	21	0	-0
-4	11	1	1	-12	24	1	-0	-12	45	1	0	-12	13	0	1
-3	16	1	-1	-11	35	1	-0	-11	81	1	1	-11	31	1	-1
-2	9	1	3	-10	7	1	-0	-10	83	1	-0	-10	62	1	-2
-1	26	1	1	-9	39	1	0	-9	64	1	1	-9	15	1	0
0	15	2	1	-8	56	1	1	-8	6	1	-0*	-8	103	2	1
1	19	1	-0	-7	160	2	4	-7	6	1	0	-7	104	2	1
2	8	1	0	-6	41	1	-0	-6	69	1	1	-6	69	1	-1
3	13	1	1	-5	65	1	-1	-5	34	1	-1	-5	7	1	1
4	12	1	1	-4	45	1	1	-4	126	2	4	-4	60	1	-1
5	0	6	-4*	-3	108	2	1	-3	99	2	1	-3	74	1	1
H,K#	2,	0	-2	80	1	1	-2	37	1	-1	-2	41	1	-0	0
-28	11	1	1	-1	49	1	-2	-1	72	1	-0	-1	45	1	-0
-26	5	1	3*	0	18	0	0	0	162	2	14	0	52	1	1
-24	24	1	0	1	115	2	5	1	58	1	-0	1	45	1	-1
-22	26	1	-0	2	63	1	1	2	19	0	-0	2	93	1	2
-20	83	1	0	3	169	3	4	3	4	1	0*	3	70	1	-0
-18	16	2	-2	4	32	1	-0	4	20	0	-0	4	88	1	0
-16	14	0	-0	5	43	1	0	5	38	1	1	5	24	0	-0
-14	101	2	1	6	41	1	0	6	116	2	2	6	99	2	0
-12	69	1	-0	7	130	3	-0	7	45	1	-0	7	30	1	-1
-10	136	2	3	8	0	5	-1*	8	36	1	-1	8	51	1	-0
-8	22	0	-0	9	32	1	0	9	81	1	0	9	25	0	-1
-6	41	1	2	10	31	1	-1	10	109	2	1	10	38	1	-0

STRUCTURE FACTORS CONTINUED FOR
CESIUM BIS (IMINODIACETATE) NICKEL (II)

L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL
13	0	5	-2*	17	9	1	-1	23	6	2	1*-12	50	1	-1	4
14	28	1	-1	18	11	1	1	H,K=	2,	7	-11	4	4	1*	5
15	7	1	-1	19	10	1	-0	-23	7	1	0*-10	18	1	-0	6
16	28	1	-1	20	6	2	0*	-22	0	5	-0*	-9	4	2	-0*
17	29	1	-1	21	16	1	1	-21	0	5	-1*	-8	44	1	-0
18	9	2	-1*	22	21	1	-1	-20	0	4	-6*	-7	14	1	0
19	46	1	-0	23	4	5	0*	-19	31	1	-0	-6	32	1	-1
20	11	1	-2	24	20	1	-1	-18	0	4	-2*	-5	5	1	-1*
21	35	1	1	H,K=	2,	6	-17	16	1	1	-4	20	1	-0	12
22	7	1	-1	-25	6	2	-0*	-16	20	1	-0	-3	5	2	3*
23	17	1	1	-24	0	7	-0*	-15	46	1	-0	-2	79	1	0
24	0	6	-3*	-23	11	1	-2	-14	13	1	-0	-1	7	2	0*
25	3	5	-1*	-22	27	1	1	-13	19	1	-1	0	14	0	-0
	H,K=	2,	5	-21	25	1	-0	-12	4	2	-1*	1	17	0	-0
-26	20	1	-0	-20	3	5	0*	-11	16	0	-0	2	60	1	-1
-25	11	1	1	-19	18	1	-0	-10	10	1	1	3	6	3	-0*
-24	11	1	0	-18	19	1	1	-9	49	1	0	4	26	1	1
-23	8	1	-1	-17	4	4	-0*	-8	25	1	0	5	14	0	0
-22	0	4	-4*	-16	32	1	-1	-7	47	1	-1	6	15	0	0
-21	8	1	-1	-15	13	1	-0	-6	34	1	-0	7	5	1	1*
-20	16	1	-1	-14	2	6	1*	-5	63	1	-1	8	55	1	0
-19	26	1	0	-13	52	1	-1	-4	34	1	-1	9	6	2	1*
-18	42	1	-1	-12	75	1	-0	-3	7	1	-1	10	23	1	-1
-17	0	3	-3*	-11	35	1	0	-2	7	1	0	11	5	2	2*
-16	48	1	-1	-10	8	1	-0	-1	26	1	-0	12	45	1	1
-15	24	1	1	-9	36	1	-1	0	20	0	1	13	2	4	0*
-14	32	1	-0	-8	24	0	0	1	67	1	-1	14	7	1	-1
-13	12	1	-0	-7	4	4	2*	2	21	1	0	15	6	2	1*
-12	2	4	-1*	-6	16	0	0	3	41	1	-1	16	10	1	-0
-11	22	0	-0	-5	25	0	-0	4	25	1	-0	17	4	4	-1*
-10	16	1	0	-4	14	0	-1	5	70	1	-1	18	30	1	1
-9	63	1	-1	-3	55	1	-0	6	23	1	0	19	0	6	-1*
-8	67	1	-0	-2	69	1	0	7	11	1	1	20	19	1	1
-7	14	1	1	-1	49	1	-1	8	3	3	-1*	H,K=	2,	9	2
-6	92	1	1	0	26	1	-1	9	10	1	-0	-19	21	1	1
-5	41	1	-1	1	41	1	-0	10	3	2	0*	-18	7	2	1*
-4	41	1	-1	2	39	1	-0	11	39	1	1	-17	18	1	-0
-3	5	1	1	3	26	1	-1	12	23	1	-0	-16	4	4	-1*
-2	11	1	-1	4	19	0	-1	13	18	1	-0	-15	31	1	-0
-1	12	1	-1	5	18	1	0	14	19	1	0	-14	2	4	2*
0	24	0	-0	6	3	4	1*	15	48	1	1	-13	5	1	1*
1	53	1	-0	7	48	1	-0	16	16	1	-0	-12	5	1	1*
2	99	2	2	8	74	1	-0	17	7	1	-1	-11	3	3	1*
3	16	0	0	9	55	1	0	18	0	5	-5*	-10	6	4	2*
4	89	1	-0	10	25	1	-0	19	18	1	1	-9	42	1	-0
5	40	1	-0	11	28	1	-1	20	7	1	2*	-8	13	1	-0
6	62	1	-1	12	41	1	-1	21	15	1	-0	-7	11	1	-1
7	12	0	1	13	28	1	-1	H,K=	2,	8	-6	10	2	-0	-11
8	30	1	-1	14	15	1	-1	-21	6	2	5*	-5	57	1	-1
9	36	1	1	15	20	1	-1	-20	12	1	0	-4	5	2	1*
10	25	1	-0	16	3	4	-0*	-19	8	1	-1*	-3	6	1	-8
11	36	1	-0	17	22	1	-1	-18	14	1	0	-2	2	4	-2*
12	35	1	-1	18	31	1	1	-17	2	5	1*	-1	13	1	-1
13	6	1	-2	19	23	1	-1	-16	14	1	-0	0	6	1	2
14	56	1	-1	20	8	1	1	-15	5	2	1*	1	46	1	-4
15	41	1	-0	21	18	1	-1	-14	21	1	-1	2	13	1	-3
16	40	1	-1	22	24	1	1	-13	2	5	1*	3	22	0	-2

**STRUCTURE FACTORS CONTINUED FOR
CESIUM BIS (IMINODIACETATE) NICKEL (II)**

L	F08	SG	DEL	L	F08	SG	DEL	L	F08	SG	DEL	L	F08	SG	DEL	L	F08	SG	DEL
-1	11	1	0	-11	17	1	2	-8	56	1	1	-4	22	0	-0	1	61	1	-1
0	13	1	0	-10	18	1	-1	-7	7	1	1	-3	15	0	0	2	29	1	-1
1	18	1	1	-9	109	2	1	-6	55	1	-1	-2	11	1	0	3	10	0	-1
2	15	1	0	-8	26	0	1	-5	38	1	-0	-1	30	1	-0	4	31	1	-1
3	4	5	-0*	-7	57	1	1	-4	39	1	-1	0	45	1	1	5	45	1	-0
4	22	1	-0	-6	34	1	0	-3	74	1	-1	1	87	1	1	6	22	1	0
5	24	1	1	-5	128	3	2	-2	113	2	2	2	63	1	-1	7	68	1	-1
6	15	1	-1	-4	24	0	0	-1	64	1	1	3	4	1	2*	8	25	0	0
7	7	3	-0*	-3	6	1	-0	0	14	0	-0	4	83	1	0	9	55	1	-0
8	7	2	-0*	-2	49	1	-0	1	52	1	-1	5	68	1	-1	10	16	1	2
9	11	1	-0	-1	14	0	1	2	58	1	-1	6	61	1	-2	11	31	1	-0
H,K=	3,	0	0	19	0	0	3	9	0	-0	7	7	2	-0*	12	11	1	1	-1
-28	12	1	1	1	100	2	-0	4	55	1	1	8	9	1	-1	13	19	0	-0
-26	15	1	-1	2	44	1	-1	5	60	1	0	9	23	1	-0	14	19	0	0
-24	17	1	-0	3	62	1	-0	6	22	1	-0	10	37	1	1	15	20	1	1
-22	42	1	1	4	38	1	1	7	41	1	1	11	49	1	-0	16	19	1	0
-20	13	1	2	5	109	2	1	8	81	1	0	12	53	1	-0	17	25	1	-1
-18	33	1	2	6	46	1	-0	9	48	1	0	13	3	3	-0*	18	17	1	-2
-16	46	1	-2	7	13	1	2	10	16	1	-0	14	59	1	-1	19	38	1	1
-14	46	1	-1	8	13	0	1	11	50	1	-1	15	33	1	-1	20	25	2	0
-12	109	2	2	9	6	1	1*	12	44	1	-0	16	29	1	1	21	22	1	-0
-10	5	2	0*	10	5	5	4*	13	8	2	1*	17	20	1	0	22	0	6	-4*
-8	54	1	1	11	59	1	1	14	16	1	0	18	2	4	1*	23	0	6	-6*
-6	75	1	-2	12	3	4	1*	15	11	1	1	19	12	1	0	H,K=	3,	5	
-4	62	1	#	13	42	1	0	16	13	1	0	20	7	2	1*	-25	4	1*	
-2	85	1	0	14	28	1	-1	17	27	1	0	21	21	1	-0	-24	11	1	-0
0	71	1	0	15	71	1	1	18	43	1	-0	22	24	1	1	-23	1	6	-0*
2	87	1	-3	16	10	5	-1*	19	27	1	-0	23	4	8	-2*	-22	7	1	-1
4	59	1	1	17	12	1	1	20	15	1	-1	24	17	1	1	-21	19	1	0
6	42	1	1	18	5	3	1*	21	19	1	1	H,K=	3,	4	-20	16	1	-2	
8	109	2	-0	19	11	1	0	22	22	1	1	-26	7	8	-1*	-19	0	4	-2*
10	79	1	0	20	9	2	-2*	23	9	5	2*	-25	16	1	-1	-18	30	1	-0
12	52	1	0	21	25	1	-1	24	8	2	-0*	-24	7	2	0*	-17	30	1	1
14	49	1	-0	22	0	18	-5*	H,K=	3,	3	-23	19	1	-0	-16	25	1	0	
16	18	1	1	23	18	1	0	-27	0	5	-4*	-22	12	1	-1	-15	13	1	-1
18	59	1	-0	24	16	1	-2	-26	14	1	0	-21	28	1	1	-14	21	1	2
20	21	1	1	25	30	1	1	-25	17	1	-0	-20	10	1	-1	-13	18	0	0
22	22	1	-1	H,K=	3,	2	-24	8	1	1	-19	8	2	1*	-12	4	2	1*	
24	7	2	-1*	-27	0	24	-3*	-23	10	1	-1	-18	20	1	-0	-11	36	1	-1
H,K=	3,	1	-26	12	14	-5*	-22	7	1	-1	-17	4	5	-2*	-10	50	1	-1	
-28	0	17	-3*	-25	12	1	0	-21	9	1	1	-16	23	1	-0	-9	25	1	-1
-27	11	4	-0*	-24	0	6	-0*	-20	14	1	-0	-15	23	1	-1	-8	63	1	-1
-26	0	20	-7*	-23	29	1	-0	-19	37	1	-1	-14	22	1	0	-7	54	1	-1
-25	24	1	1	-22	36	1	0	-18	43	1	-1	-13	63	1	-1	-6	47	1	-1
-24	7	2	-2*	-21	14	2	1	-17	1	4	-1*	-12	15	1	1	-5	21	0	0
-23	13	1	-0	-20	3	3	3*	-16	47	1	1	-11	40	1	1	-4	56	1	-1
-22	3	4	-1*	-19	5	1	2*	-15	37	1	0	-10	8	1	0	-3	32	1	-1
-21	0	4	-2*	-18	19	1	1	-14	20	0	1	-9	43	1	-0	-2	35	3	-1
-20	11	2	-1	-17	4	2	1*	-13	4	5	-0*	-8	20	1	-0	-1	26	0	-0
-19	46	1	0	-16	24	1	-1	-12	20	0	-1	-7	14	0	-0	0	56	1	-0
-18	19	1	1	-15	35	1	-1	-11	6	1	-0	-6	20	0	-0	1	59	1	0
-17	29	1	1	-14	23	0	-1	-10	41	1	-1	-5	72	1	0	2	56	1	0
-16	24	1	-0	-13	38	1	-0	-9	32	1	0	-4	31	1	0	3	45	1	-1
-15	52	1	2	-12	73	1	-1	-8	75	1	-1	-3	85	1	-0	4	62	1	-1
-14	15	1	0	-11	38	1	1	-7	7	1	2	-2	41	1	-1	5	6	2	-1
-13	23	1	-1	-10	18	1	1	-6	65	1	-1	-1	70	1	-1	6	31	1	-1
-12	9	1	0	-9	27	1	1	-5	26	0	-0	0	21	0	0	7	27	1	-0

STRUCTURE FACTORS CONTINUED FOR
CESIUM BIS (IMINODIACETATE) NICKEL (II)

L	F08	SG	DEL	L	F08	SG	DEL	L	F08	SG	DEL	L	F08	SG	DEL				
8	4	1	-1*	17	21	1	-1	-12	24	1	1	9	22	1	1	-15	23	1	2
9	20	1	1	18	13	1	0	-11	10	1	-0	10	5	4	3*-14	5	2	1*	
10	25	1	0	19	23	1	0	-10	34	1	0	11	11	3	0*-13	22	1	-2	
11	5	2	-1*	20	25	1	2	-9	3	4	-1*	12	5	3	-2*-12	18	1	-0	
12	46	1	-0	21	8	7	-0*	-8	7	1	-1	13	33	1	1	-11	18	1	-0
13	27	1	0	H,K=	3,	7	-7	4	2	-0*	14	6	4	-1*-10	8	1	0		
14	44	1	-0	-22	0	5	-5*	-6	3	5	-1*	H,K=	3,	10	-9	43	1	1	
15	5	3	1*	-21	19	1	-1	-5	5	1	2*-13	16	1	1	-8	11	1	2	
16	31	1	-0	-20	10	2	-0*	-4	51	1	-1	-12	7	2	-1*	-7	19	0	
17	9	1	1	-19	11	1	0	-3	2	3	-0*	-11	14	1	1	-6	15	1	1
18	4	3	-1*	-18	12	1	-0	-2	26	1	1	-10	24	1	-0	-5	41	1	0
19	4	3	0*	-17	32	1	1	-1	15	1	0	-9	6	2	4*	-4	6	1	2
20	8	1	2	-16	13	1	1	0	57	1	-1	-8	0	4	-1*	-3	27	1	-1
21	4	7	-0*	-15	5	1	2*	1	7	2	0*	-7	0	4	-2*	-2	8	1	0
22	20	1	1	-14	10	2	1	2	9	1	1	-6	5	2	3*	-1	5	2	3*
	H,K=	3,	6	-13	25	1	-0	3	3	5	2*	-5	10	2	0	0	18	1	1
-24	18	1	1	-12	7	2	1*	4	4	2	-2*	-4	27	1	0	1	55	1	-0
-23	14	1	0	-11	30	1	-0	5	4	1	3*	-3	14	1	-0	2	55	1	3
-22	0	4	-2*	-10	6	1	-0	6	44	1	0	-2	12	1	1	3	25	1	-0
-21	16	1	-0	-9	26	1	0	7	4	2	1*	-1	21	1	-0	4	27	1	-1
-20	19	1	2	-8	20	1	0	8	19	1	-1	0	35	1	-1	5	35	1	-0
-19	13	1	0	-7	46	1	-1	9	4	5	1*	1	5	4	-0*	6	4	6	2*
-18	4	2	-2*	-6	23	0	-0	10	48	1	0	2	9	1	1	7	18	1	1
-17	0	4	-3*	-5	21	1	0	11	5	2	2*	3	3	4	0*	8	5	5	1*
-16	4	2	2*	-4	16	1	-1	12	1	4	-1*	4	0	4	-1*	9	3	5	0*
-15	25	1	-1	-3	34	1	-1	13	5	2	5*	5	13	1	3	10	10	1	2
-14	52	1	-1	-2	5	1	1*	14	4	4	-1*	6	24	1	2	11	54	1	2
-13	29	1	-1	-1	42	1	0	15	4	4	1*	7	12	1	1	12	23	1	-1
-12	4	2	2*	0	13	1	-0	16	22	1	-1	8	9	4	-1*	13	18	1	0
-11	39	1	0	1	24	0	-0	17	5	6	-2*	H,K=	5,	0	14	14	1	3	1*
-10	44	1	-0	2	36	1	-1	H,K=	3,	9	-16	30	1	-1	15	22	1	1	-1
-9	15	1	-0	3	61	1	-0	-17	29	1	-1	-14	8	1	-0	16	22	5	-1*
-8	13	1	-1	4	15	1	0	-16	10	1	3	-12	36	1	2	17	7	2	2*
-7	6	1	1*	5	20	0	-1	-15	7	2	3*-10	19	1	1	18	5	3	2*	
-6	3	2	1*	6	20	1	-1	-14	6	2	2*	-8	5	1	2*	H,K=	5,	2	
-5	22	0	-1	7	32	1	-1	-13	8	1	-1	-6	64	1	0	-22	20	1	2
-4	63	1	-1	8	4	3	2*	-12	0	4	-1*	-4	24	1	1	-21	6	2	1*
-3	37	1	-0	9	27	1	1	-11	18	1	0	-2	78	1	0	-20	5	1	-1
-2	11	0	-0	10	12	1	0	-10	9	1	-1	0	5	1	2*	-19	5	3	1*
-1	40	1	-1	11	5	1	1*	-9	19	1	1	2	17	1	0	-18	12	1	3
0	40	1	-0	12	9	1	1	-8	12	1	-1	4	47	1	1	-17	17	1	-2
1	35	1	-1	13	44	1	0	-7	43	1	-1	6	23	1	1	-16	28	1	-0
2	10	1	-1	14	13	1	-1	-6	4	4	1*	8	44	1	-0	-15	19	1	-1
3	5	4	0*	15	12	1	-1	-5	6	1	0	10	5	1	4*	-14	8	1	-1
4	0	3	-3*	16	6	3	-0*	-4	7	1	-0	12	18	1	0	-13	14	1	0
5	21	1	-0	17	22	1	-0	-3	27	1	-0	14	24	1	1	-12	34	1	1
6	46	1	0	18	7	3	-0*	-2	8	2	-0*	16	19	1	1	-11	21	1	1
7	37	1	-0	19	9	1	-0	-1	23	1	-0	18	33	1	0	-10	5	2	-2
8	14	1	1	H,K=	3,	8	0	4	5	0*	H,K=	5,	1	-9	7	2	1*		
9	47	1	-1	-20	20	1	1	1	10	1	0	-23	14	1	-0	-8	15	1	0
10	51	1	0	-19	5	2	4*	2	14	1	1	-22	10	1	-1	-7	15	1	-0
11	31	1	-1	-18	10	1	-2	3	44	1	-1	-21	3	7	-0*	-6	33	1	-1
12	4	2	2*	-17	2	5	-3*	4	4	3	1*-20	4	6	3*	-5	19	1	-0	
13	11	1	1	-16	4	3	4*	5	15	1	-0	-19	28	1	1	-4	14	1	-1
14	8	1	-1	-15	5	2	0*	6	8	1	-1	-18	8	4	1*	-3	30	1	-1
15	11	1	1	-14	31	1	-1	7	30	1	1	-17	10	1	1	-2	34	1	-1
16	22	1	1	-13	5	1	1*	8	0	4	-1*-16	10	2	1	-1	15	0	0	

STRUCTURE FACTORS CONTINUED FOR
CESIUM BIS (IMINODIACETATE) NICKEL (II)

L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL	L	FOB	SG	DEL
0	3	3	1*	15	14	1	-0	-5	10	1	-1	-9	0	4	-3*-17
1	13	1	-0	16	7	3	-3*	-4	6	6	0*	-8	10	1	1 -16
2	10	1	-0	17	6	8	-0*	-3	8	2	-1*	-7	31	1	0 -15
3	14	1	-1	H,K=	5,	4	-2	18	1	-0	-6	4	2	-1*-14	2 4
4	30	1	1	-21	10	2	1	-1	16	1	-1	-5	4	4	-2*-13
5	32	1	-0	-20	7	8	2*	0	15	1	0	-4	3	5	-2*-12
6	18	1	0	-19	2	4	1*	1	4	2	4*	-3	6	2	1*-11
7	30	1	1	-18	10	1	1	2	38	1	-1	-2	4	4	-1*-10
8	45	1	-0	-17	7	3	0*	3	27	1	-0	-1	26	1	-0 -9
9	21	1	0	-16	14	1	-1	4	26	1	-1	0	21	1	1 -8
10	2	5	-0*	-15	25	1	-1	5	10	1	-1	1	5	2	2*-7
11	5	2	1*	-14	17	1	-0	6	0	5	-1*	2	6	2	0*-6
12	15	1	-1	-13	25	1	1	7	12	1	-1	3	39	1	0 -5
13	3	4	-1*	-12	22	1	1	8	7	1	1*	4	13	1	1 -4
14	25	1	2	-11	13	1	1	9	21	1	1	5	4	3	1*-3
15	17	1	1	-10	15	1	1	10	21	1	0	6	0	5	-5*-2
16	10	1	0	-9	2	3	-0*	11	8	1	-0	7	0	5	-6*-1
17	14	1	1	-8	13	1	-0	12	24	1	0	8	2	4	-0*
18	19	1	-0	-7	16	1	-1	13	20	1	1	9	14	1	0 1
	H,K=	5,	3	-6	7	3	-0*	14	18	1	-0	10	12	2	1 2
-22	5	7	-2*	-5	32	1	-1	H,K=	5,	6	H,K=	5,	8	3	3 1
-21	0	5	-2*	-4	16	1	-0	-17	9	1	0	-10	19	1	0 4
-20	15	1	-0	-3	30	1	-1	-16	7	3	1*	-9	3	4	1* 5
-19	18	1	-1	-2	23	1	-0	-15	8	2	1*	-8	16	1	-1 6
-18	13	1	2	-1	38	1	-1	-14	16	1	-0	-7	0	4	-3* 7
-17	9	1	-0	0	14	1	0	-13	15	1	0	-6	7	1	4* 8
-16	16	1	1	1	3	4	-1*	-12	8	1	2	-5	2	5	-2* 9
-15	26	1	0	2	13	1	0	-11	19	1	0	-4	28	1	0 10
-14	5	1	3*	3	7	1	1	-10	17	1	1	-3	4	6	2* 11
-13	19	1	-1	4	17	1	-0	-9	5	3	1*	-2	14	1	-1 12
-12	11	1	-2	5	22	1	1	-8	16	1	-1	-1	0	5	H,K= 6,
-11	18	1	1	6	14	1	1	-7	13	1	-0	0	16	1	-1 -17
-10	22	1	-0	7	43	1	-1	-6	5	2	-0*	1	9	1	1 -16
-9	37	1	-1	8	17	1	-0	-5	13	1	1	2	9	1	0 -15
-8	37	1	-0	9	21	1	-1	-4	32	1	-1	3	5	3	1*-14
-7	4	3	3*	10	8	1	-0	-3	29	1	-0	4	5	3	0*-13
-6	30	1	-0	11	11	1	-2	-2	4	2	-0*	5	3	5	2*-12
-5	20	1	-0	12	2	4	-2*	-1	18	1	-0	6	28	1	-0 -11
-4	0	4	-1*	13	14	1	2	0	21	1	-1	H,K=	6,	0	-10
-3	20	1	-1	14	5	3	-1*	1	3	3	3*	-18	22	1	-1 -9
-2	19	0	-0	15	21	1	1	2	24	1	0	-16	8	1	3 -8
-1	6	1	1	16	12	1	2	3	9	2	1	-14	35	1	2 -7
0	32	1	-1	H,K=	5,	5	4	1	4	4	-3*	-12	12	1	1 -6
1	37	1	-1	-19	0	5	-2*	5	17	1	1	-10	16	1	3 -5
2	44	1	-1	-18	15	2	1	6	29	1	1	-8	15	1	-1 -4
3	2	4	2*	-17	11	1	1	7	19	1	1	-6	9	1	-1 -3
4	19	0	-1	-16	10	1	0	8	10	2	2*	-4	39	1	-0 -2
5	21	1	-1	-15	5	2	-1*	9	17	1	0	-2	10	1	0 -1
6	5	3	-3*	-14	0	5	-2*	10	22	1	0	0	17	1	1 -0
7	13	1	0	-13	1	4	0*	11	3	6	-1*	2	24	1	1 1
8	9	1	1	-12	12	1	-1	12	11	1	1	4	15	1	1 2
9	4	2	2*	-11	13	1	0	H,K=	5,	7	6	33	1	1 3	
10	22	1	0	-10	24	1	-1	-14	6	6	3*	8	12	1	-1 4
11	15	1	1	-9	3	4	-0*	-13	6	2	3*	10	22	1	-0 5
12	25	1	-0	-8	24	1	-1	-12	6	6	-0*	12	7	3	1* 6
13	5	2	1*	-7	24	1	1	-11	26	1	-1	H,K=	6,	1	7 5
14	21	1	-0	-6	27	1	-0	-10	6	2	-1*	-18	0	10	-2*

**STRUCTURE FACTORS CONTINUED FOR
CESIUM BIS (IMINODIACETATE) NICKEL (II)**

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