Species Tag:	66002	Name:	S-34-O2
Version:	2		Sulfur dioxide
Date:	Nov. 1996		^{34}S isotope
Contributor:	H. S. P. Müller		
Lines Listed:	11894	Q(300.0)=	6020.754
Freq. (GHz) <	6830	Q(225.0)=	3907.935
Max. J:	99	Q(150.0)=	2126.082
LOGSTR0=	-9.5	Q(75.00)=	751.749
LOGSTR1=	-9.3	Q(37.50)=	266.168
Isotope Corr.:	-1.376	Q(18.75)=	94.439
Egy. (cm^{-1}) >	0.0	Q(9.375)=	33.638
μ_a =		A=	58991.183
μ_b =	1.6331	B=	10318.510
μ_c =		C=	8761.303

These measurements are based on fits to the data of (1) P. A. Helminger and F. C. De Lucia, 1985,J. Mol. Spect. **111**, 66; (2) the compilation of F. J. Lovas, 1985, J. Phys. Chem. Ref. Data **14**, 395; (3) E. A. Alekseev, S. F. Dyubko, V. V. Ilyushin, and S. V. Podnos, 1996, J. Mol. Spect. **176**, 316; and from (4) E. Klisch, S. P. Belov, and G. Winnewisser, private communication (1996). Some higher distortion constants have been fixed to values of the $^{32}SO_2$ isotopomer.

The dipole moment is assumed to be the same as for the ^{32}S isotope.