

Species Tag:	112001	Name:	Se-80-O2
Version:	1		Selenium Dioxide,
Date:	Sept. 1995		<sup>80</sup> Se isotope
Contributor:	H. S. P. Müller		

Lines Listed:	7484	Q(300.0)=	10779.685
Freq. (GHz) <	2510	Q(225.0)=	6996.362
Max. J:	99	Q(150.0)=	3805.880
LOGSTR0=	-8.0	Q(75.00)=	1345.345
LOGSTR1=	-7.0	Q(37.50)=	476.116
Isotope Corr.:	-0.303	Q(18.75)=	168.775
Egy. (cm <sup>-1</sup> ) >	0.0	Q(9.375)=	60.006
$\mu_a$ =		A=	28826.532
$\mu_b$ =	2.7	B=	8676.6837
$\mu_c$ =		C=	6651.8979

The data were taken from (1) H. Takeo, E. Hirota, and Y. Morino, 1970, J. Mol. Spect. **34**, 370 (microwave region, dipole moment), and (2) E. A. Alekseev, O. I. Bashkakov, S. F. Dyubko, and B. I. Polevoi, 1986, Opt. Spektrosk. **60** 49; Opt. Spectrosc. (USSR) **60**, 30 (submillimeter region).

The spectroscopic constants used in the fit were the same as in (2): Watson's A reduction with up to octic distortion constants.