

Species Tag:	113001	Name:	OBr-81-O
Version:	1		Bromine dioxide, X $^2B_1$
Date:	June 1997		$^{81}\text{Br}$ isotope
Contributor:	H. S. P. Müller		

Lines Listed:	52631	Q(300.0)=	92550.906
Freq. (GHz) <	2000	Q(225.0)=	60143.825
Max. J:	80	Q(150.0)=	32761.294
LOGSTR0=	-8.5	Q(75.00)=	11630.398
LOGSTR1=	-6.3	Q(37.50)=	4152.689
Isotope Corr.:	-0.306	Q(18.75)=	1498.684
Egy. ( $\text{cm}^{-1}$ ) >		Q(9.375)=	552.340
$\mu_a$ =		A=	27824.891
$\mu_b$ =	2.81	B=	8233.255
$\mu_c$ =		C=	6335.137

The lines, the Hamiltonian, and the fitting are described in H. S. P. Müller, C. E. Miller, and E. A. Cohen, 1997, J. Chem. Phys. **107**, 8292. The dipole moment was also from that study. The parameters used in the combined fit of both isotopomers and all observed vibrational states are archived under tag no. 111001.