

Species Tag:	111001	Name:	OBr-79-O
Version:	1		Bromine dioxide, X $^2B_1$
Date:	June 1997		$^{79}\text{Br}$ isotope
Contributor:	H. S. P. Müller		

Lines Listed:	52631	Q(300.0)=	92147.140
Freq. (GHz) <	2000	Q(225.0)=	59881.060
Max. J:	80	Q(150.0)=	32618.198
LOGSTR0=	-8.5	Q(75.00)=	11579.660
LOGSTR1=	-6.3	Q(37.50)=	4134.614
Isotope Corr.:	-0.296	Q(18.75)=	1492.190
Egy. ( $\text{cm}^{-1}$ ) >		Q(9.375)=	549.968
$\mu_a$ =		A=	28024.518
$\mu_b$ =	2.81	B=	8233.173
$\mu_c$ =		C=	6345.433

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 assumed to be the same as for  $\text{O}^{81}\text{BrO}$ , tag no. 113001. The parameters used in the combined fit of both isotopomers and all observed vibrational states are archived under tag no. 111001.