

Species Tag:	95002	Name:	Br-79-O v=1
Version:	1		Bromine monoxide, $v = 1$
Date:	Aug. 2000		^{79}Br isotope,
Contributor:	E. A. Cohen		X_1 $^2\Pi_{3/2}$ and X_2 $^2\Pi_{1/2}$ states

Lines Listed:	1314	Q(300.0)=	3941.167
Freq. (GHz) <	1889	Q(225.0)=	2932.182
Max. J:	75.5	Q(150.0)=	1949.832
LOGSTR0=	-8.0	Q(75.00)=	973.813
LOGSTR1=	-8.0	Q(37.50)=	486.125
Isotope Corr.:	-0.296	Q(18.75)=	242.308
Egy. (cm^{-1}) >	0.0	Q(9.375)=	120.345
$\mu_a =$	1.780	A=	
$\mu_b =$		B=	12669.758
$\mu_c =$		C=	

The spectrum was calculated from a combined fit of rotational spectra of all four isotopic species $^{79,81}\text{Br}^{16,18}\text{O}$ as well as available infrared spectra. The fit is described by B. J. Drouin, *et al.* 2001, *J. Mol. Spectrosc.* **205**, 128-138. The data and parameter files have been deposited with the journal. Note that the quantum number field has been changed. In this version it is N , Λ , v , $J + 1/2$, F . The parity is given by the sign of Λ .