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| Species Tag: | 95001 | Name: | Br-79-O |
| Version: | 2 | | Bromine monoxide, $v = 0$ |
| 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: | 1892 | Q(300.0)= | 3941.167 |
| Freq. (GHz) < | 2172 | Q(225.0)= | 2932.182 |
| Max. J: | 86.5 | 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= | 12779.365 |
| $\mu_c =$ | | 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 .