

Species Tag:	98002	Name:	HOBr-81
Version:	1		Hypobromous acid
Date:	Dec. 1994		
Contributor:	E. A. Cohen		

Lines Listed:	9920	Q(300.0)=	13611.629
Freq. (GHz) <	9469	Q(225.0)=	8834.883
Max. J:	70	Q(150.0)=	4806.617
LOGSTR0=	-8.0	Q(75.00)=	1699.763
LOGSTR1=	-6.0	Q(37.50)=	602.023
Isotope Corr.:	-0.3057	Q(18.75)=	214.544
Egy. (cm <sup>-1</sup> ) >	0.0	Q(9.375)=	82.827
$\mu_a$ =	0.000	A=	613676.13
$\mu_b$ =	1.384	B=	10530.431
$\mu_c$ =		C=	10338.555

The calculation is based on pure rotational data from Koga *et al.*, 1989, J. Mol. Spect. **138**, 467 and on infrared data from the high resolution spectrum of the  $\nu_1$  band from Cohen *et al.*, 1995, J. Mol. Spectrosc. **173**, 55. The maximum value of  $K_a$  observed in the infrared is 5. The reader is cautioned that transitions involving higher values  $K_a$  in the catalog are extrapolations which may be considerably less accurate than the calculated uncertainties indicate.