

Species Tag:	46014	Name:	CH2OO
Version:	1		Methylene peroxide,
Date:	April 2014		
Contributor:	A. Daly		
	B. J. Drouin		
Lines Listed:	19161	Q(300.0)=	8623.6812
Freq. (GHz) <	2100	Q(225.0)=	5598.1795
Max. J:	190	Q(150.0)=	3046.1907
LOGSTR0=	-11.0	Q(75.00)=	1077.4396
LOGSTR1=	-11.0	Q(37.50)=	381.6685
Isotope Corr.:	0.0	Q(18.75)=	135.5376
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	48.3603
μ_a =	5.0	A=	77748.9467
μ_b =	0.6	B=	12465.03461
μ_c =	0.000	C=	10721.50174

Data includes 4 transitions in the microwave taken from M. Nakajima, Y. Endo, 2013, J. Chem. Phys. **139** 101103-101104 and 160 distinct (207 total) transitions reported in A.M. Daly, B.J. Drouin, and S. Yu, 2014, J. Mol. Spect. **297**, 16. Dipole moments were calculated using DFT and CCSD methods to range μ_a (5.7 to 4.7) and μ_b (.5 to 0.2). B-type transitions were detected indirectly using double resonance in the microwave and were not detected under the conditions run in the submillimeter.