

Species Tag:	60004	Name:	CH3OCHO-e
Version:	1		Methyl Formate,
Date:	Oct. 1992		ground vibrational state,
Contributor:	H. M. Pickett		E state
Lines Listed:	17260	Q(300.0)=	64850.87
Freq. (GHz) <	9999	Q(225.0)=	42120.19
Max. J:	60	Q(150.0)=	22918.47
LOGSTR0=	-9.0	Q(75.00)=	8102.16
LOGSTR1=	-7.0	Q(37.50)=	2866.56
Isotope Corr.:	0.0	Q(18.75)=	1015.36
Egy. (cm <sup>-1</sup> ) >	0.0139	Q(9.375)=	360.40
$\mu_a$ =	1.63	A=	19982.26
$\mu_b$ =	0.68	B=	6913.81
$\mu_c$ =		C=	5304.74

The data set used is referenced by G. M. Plummer, E. Herbst, F. C. De Lucia, and G. A. Blake, 1986, *Astrophys. J. Suppl.* **60**, 949. The lines were fit to a Hamiltonian that included Fourier series in the energy and in  $P_b^2 - P_c^2$ . No  $D_{ab}$  was used. The dipole moments are from R. F. Curl, Jr., 1959, *J. Chem. Phys.* **30**, 1529.