

Species Tag:	66005	Name:	H37ClCO
Version:	1		Formyl Chloride
Date:	Dec. 2005		g.s.
Contributor:	B. J. Drouin		

Lines Listed:	113891	Q(300.0)=	68935.1243
Freq. (GHz) <	1750	Q(225.0)=	44750.9973
Max. J:	99	Q(150.0)=	24346.0545
LOGSTR0=	-12.0	Q(75.00)=	8606.2455
LOGSTR1=	-12.0	Q(37.50)=	3045.2318
Isotope Corr.:	-0.6217	Q(18.75)=	1079.0132
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	383.2776
μ_a =	0.3	A=	77858.5454
μ_b =	1.6	B=	6001.2168
μ_c =		C=	5564.8050

The data sets of H. Takeo and C. Matsumura, 1976, J. Chem. Phys. **64**, 4536; M. Suzuki, K. Yamada, M. Takami, 1981, J. Mol. Spect. **88**, 207; R. W. Davis, M. C. L. Gerry, 1983, J. Mol. Spect. **97**, 117 were used in a combined analysis. The dipole moment is taken from, Takeo and Matsumura for the main isotopomer the weak field method utilized leaves large uncertainties in these values $\mu_a = 0.3(2)$ D and $\mu_b = 1.6(2)$ D.