

Species Tag:	64004	Name:	C4O
Version:	1		Tetracarbon monoxide
Date:	April 1996		X $^3\Sigma^-$
Contributor:	H. S. P. Müller		

Lines Listed:	535	Q(300.0)=	7965.1375
Freq. (GHz) <	478	Q(225.0)=	5970.2221
Max. J:	99	Q(150.0)=	3975.5997
LOGSTR0=	-9.5	Q(75.00)=	1981.2949
LOGSTR1=	-7.5	Q(37.50)=	984.3175
Isotope Corr.:		Q(18.75)=	485.9881
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	237.0869
μ_a =	2.577	A=	
μ_b =		B=	2351.262
μ_c =		C=	

The data were taken from Y. Ohshima, Y. Endo, and T. Ogata, 1995, J. Chem. Phys. **102** 1493.

The dipole moment is from an *ab initio* calculation: N. Moazzen-Ahmadi and F. Zerbetto, 1995, J. Chem. Phys. **103**, 6343.

The partition function has been calculated up to $J = 199$ because of the low rotational constant.