

Species Tag:	50009	Name:	MgCN
Version:	1		Magnesium monocyanoide,
Date:	Sept. 1995		X $^2\Sigma$
Contributor:	J. C. Pearson		

Lines Listed:	273	Q(300.0)=	2457.0064
Freq. (GHz) <	999	Q(225.0)=	1842.8710
Max. J:	99	Q(150.0)=	1228.4190
LOGSTR0=	-8.0	Q(75.00)=	614.3377
LOGSTR1=	-8.0	Q(37.50)=	307.4515
Isotope Corr.:		Q(18.75)=	154.0476
Egy. (cm^{-1}) >	0.0	Q(9.375)=	77.3566
μ_a =	1.000	A=	
μ_b =		B=	5094.80
μ_c =		C=	

The observed lines are from: M. A. Anderson, T. C. Steimle and L. M. Ziurys, 1994, *Astrophys. J.* **429**, L41. The dipole moment is unknown and has been assumed to be unity. The molecule is in a $^2\Sigma$ electronic ground state.