

Species Tag:	49004	Name:	MgCCH
Version:	1		Magnesium acetylide
Date:	Sept. 1995		X $^2\Sigma$
Contributor:	J. C. Pearson		

Lines Listed:	274	Q(300.0)=	2498.1078
Freq. (GHz) <	999	Q(225.0)=	1873.8091
Max. J:	99	Q(150.0)=	1249.0657
LOGSTR0=	-8.0	Q(75.00)=	624.6680
LOGSTR1=	-8.0	Q(37.50)=	312.6183
Isotope Corr.:		Q(18.75)=	156.6313
Egy. ( $\text{cm}^{-1}$ ) >	0.0	Q(9.375)=	78.6485
$\mu_a$ =	1.000	A=	
$\mu_b$ =		B=	5010.38
$\mu_c$ =		C=	

The observed lines are from:

M. A. Anderson and L. M. Ziurys, 1995, *Astrophys. J.* **439**, L25 – L28.

The dipole moment is unknown and has been assumed to be unity. The molecule is in a  $^2\Sigma$  electronic ground state.