

Species Tag:	50010	Name:	MgNC
Version:	1		Magnesium
Date:	Sept. 1995		isocyanide,
Contributor:	J. C. Pearson		X $^2\Sigma$
Lines Listed:	269	Q(300.0)=	2098.7613
Freq. (GHz) <	999	Q(225.0)=	1573.8011
Max. J:	99	Q(150.0)=	1049.0468
LOGSTR0=	-8.0	Q(75.00)=	524.6652
LOGSTR1=	-8.0	Q(37.50)=	262.6184
Isotope Corr.:		Q(18.75)=	131.6319
Egy. (cm^{-1}) >	0.0	Q(9.375)=	66.1493
$\mu_a =$	1.000	A=	
$\mu_b =$		B=	5966.90
$\mu_c =$		C=	

The observed lines are from: K. Kawaguchi, E. Kagi, T. Hirano, S. Takano, and S. Saito, 1993, *Astrophys. J.* **406**, L39. The first astronomical observation was by M. Guélin, J. Cernicharo, C. Kahanem and J. Gomez-Gonzalez, 1986, *Astron. Astrophys.* **157**, L17. The dipole moment is unknown and has been assumed to be unity. The molecule is in a $^2\Sigma$ electronic ground state.