

Species Tag:	56009	Name:	MgS
Version:	1		Magnesium sulfide,
Date:	Sep. 1997		X $^1\Sigma^+$
Contributor:	H. S. P. Müller		

Lines Listed:	99	Q(300.0)=	782.292
Freq. (GHz) <	1554	Q(225.0)=	586.566
Max. J:	99	Q(150.0)=	390.997
LOGSTR0=	-6.0	Q(75.00)=	195.586
LOGSTR1=	-5.0	Q(37.50)=	97.941
Isotope Corr.:	-0.1051	Q(18.75)=	49.133
Egy. (cm <sup>-1</sup> ) >	0.0	Q(9.375)=	24.734
$\mu_a$ =	6.88	A=	
$\mu_b$ =		B=	8006.927
$\mu_c$ =		C=	

The lines were taken from (1) S. Takano, S. Yamamoto, and S. Saito, 1989, Chem. Phys. Lett. **159**, 563; and (2) K. A. Walker and M. C. L. Gerry, 1997, J. Mol. Spect. **182**, 178. The dipole moment is taken from an *ab initio* calculation by (3) P. W. Fowler and A. J. Sedlej, 1991, Mol. Phys. **73**, 43.