

Species Tag:	94001	Name:	C5S-34
Version:	1		
Date:	Jan. 1996		X $^1\Sigma^+$,
Contributor:	J. C. Pearson		^{34}S isotope

Lines Listed:	99	Q(300.0)=	5301.102
Freq. (GHz) <	178	Q(225.0)=	4446.777
Max. J:	99	Q(150.0)=	3279.163
LOGSTR0=	-7.2	Q(75.00)=	1731.874
LOGSTR1=	-5.8	Q(37.50)=	868.816
Isotope Corr.:	-1.399	Q(18.75)=	434.572
Egy. (cm^{-1}) >	0.0	Q(9.375)=	217.451
μ_a =	1.0	A=	
μ_b =		B=	899.7
μ_c =		C=	

The experimental measurements are from: Y. Kasai, O. Kinichi, Y. Oshima, Y. Hirahara, Y. Endo, K. Kawaguchi and A. Murakami, 1993, *Astrophys. J.* **410**, L45.

The dipole is not known so the calculation has been done with unit dipole. The dipole is believed to be at least 3 Debye.