

Species Tag:	44004	Name:	N2O
Version:	2		Nitrous oxide
Date:	Dec. 2005		
Contributor:	B. J. Drouin		

Lines Listed:	104	Q(300.0)=	498.1660
Freq. (GHz) <	2590	Q(225.0)=	373.6688
Max. J:	103	Q(150.0)=	249.1977
LOGSTR0=	-12.0	Q(75.00)=	124.7529
LOGSTR1=	-12.0	Q(37.50)=	62.5407
Isotope Corr.:	0.	Q(18.75)=	31.4378
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	15.8886
μ_a =	0.16083	A=	
μ_b =		B=	12561.634
μ_c =		C=	

The experimental data were taken from: 1) B. J. Drouin and F. W. Maiwald, *J. Mol. Spec.* (accepted Dec 2005). 2) I. Morino, M. Fabian, H. Takeo, and K. M. T. Yamada, (1997) *J. Mol. Spectrosc.* 185, 142-146. 3) B. A. Andreev, A. V. Burenin, E. N. Karylakin, A. F. Krupnov, S. Shapin, (1976) *J. Mol. Spectrosc.* 62, 125-148. 4) R. Pearson, T. Sullivan, L. Frenkel, (1970) *J. Mol. Spectrosc.* 34, 440-449. 5) C. A. Burrus, W. G. Gordy, (1956) *Phys. Rev.* 101, 599-602. 6) L. H. Scharpen, J. S. Muentner, V. W. Laurie, (1970) *J. Chem. Phys.* 53, 2513-2519. 7) K. H. Casleton, S. G. Kukolich, (1975) *J. Chem. Phys.* 62, 2696-2699.

The dipole moment was measured by Scharpen *et. al.*