

Species Tag:	30009	Name:	NND+
Version:	1		Diazenylium,
Date:	Jan. 1984		Deuterium isotope,
Contributor:	R. L. Poynter		X $^1\Sigma^+$
Lines Listed:	41	Q(300.0)=	487.641
Freq. (GHz) <	2993	Q(225.0)=	365.932
Max. J:	39	Q(150.0)=	244.231
LOGSTR0=	-3.5	Q(75.00)=	122.631
LOGSTR1=	-3.9	Q(37.50)=	61.816
Isotope Corr.:	-3.824	Q(18.75)=	31.420
Egy. ( $\text{cm}^{-1}$ ) >	0.0	Q(9.375)=	16.241
$\mu_a =$	3.40	A=	
$\mu_b =$		B=	38554.719
$\mu_c =$		C=	

The experimental measurements were reported by T. G. Anderson, T. A. Dixon, N. D. Pilch, R. J. Saykally, P. G. Szanto, and R. C. Woods, 1977, *Astrophys. J. Lett.* Ed. **216**, L85, and by K. V. L. N. Sastry, P. Helminger, E. Herbst, and F. C. De Lucia, 1981, *Chem. Phys. Lett.* **84**, 826. The dipole moment was assumed to be the same as for the parent species.