

Species Tag:	29005	Name:	NNH+
Version:	1		Diazenylium
Date:	Jan. 1984		X $^1\Sigma^+$
Contributor:	R. L. Poynter		

Lines Listed:	34	Q(300.0)=	1210.877
Freq. (GHz) <	2971	Q(225.0)=	909.076
Max. J:	32	Q(150.0)=	607.016
LOGSTR0=	-3.3	Q(75.00)=	304.930
LOGSTR1=	-3.1	Q(37.50)=	153.993
Isotope Corr.:	0.	Q(18.75)=	78.560
Egy. (cm^{-1}) >	0.0	Q(9.375)=	40.888
$\mu_a =$	3.40	A=	
$\mu_b =$		B=	46586.867
$\mu_c =$		C=	

The experimental measurements were reported by: R. J. Saykally, T. A. Dixon, T. G. Anderson, P. G. Szanto, and R. C. Woods, 1976, *Astrophys. J. Lett. Ed.* **205**, L101. K. V. L. N. Sastry, P. Helminger, E. Herbst, and F. C. De Lucia, 1981, *Chem. Phys. Lett.* **84**, 286. F. C. Van den Heuvel and A. Dymanus, 1982, *Chem. Phys. Lett.* **92**, 219.

The dipole moment was estimated theoretically by S. Green, J. A. Montgomery, Jr., and P. Thaddeus, 1974, *Astrophys. J.* **193**, L89.