

Species Tag:	64007	Name:	H15NO3
Version:	1		¹⁵ N - Nitric acid
Date:	Dec. 2005		
Contributor:	B. J. Drouin		

Lines Listed:	36935	Q(300.0)=	27958.0617
Freq. (GHz) <	1800	Q(225.0)=	18154.4920
Max. J:	99	Q(150.0)=	9880.3932
LOGSTR0=	-7.0	Q(75.00)=	3494.2164
LOGSTR1=	-7.0	Q(37.50)=	1236.8042
Isotope Corr.:	-2.439	Q(18.75)=	438.4067
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	155.8279
μ_a =	1.986	A=	13012.2629
μ_b =	0.882	B=	12096.9240
μ_c =		C=	6260.1372

Frequencies from D. J. Millen and J. R. Morton, 1960, J. Chem. Soc. 1523; and B. J. Drouin *et. al*, J. Mol. Spec. *accepted Dec. 2005* are fit. The dipole moment is assumed to be the same as the ground state and was taken from the remeasurements report by A. P. Cox and J. M. Riveros, 1965, J. Chem. Phys. **42**, 3106 for the main isotopomer. The vibrational partitioning has been ignored in the catalog prediction.