

Species Tag:	65004	Name:	HONO18O
Version:	1		trans - ¹⁸ O - Nitric acid
Date:	Dec. 2005		
Contributor:	B. J. Drouin		

Lines Listed:	17737	Q(300.0)=	29567.9569
Freq. (GHz) <	1800	Q(225.0)=	19199.9922
Max. J:	99	Q(150.0)=	10449.3371
LOGSTR0=	-7.0	Q(75.00)=	3695.3405
LOGSTR1=	-7.0	Q(37.50)=	1307.9301
Isotope Corr.:	-2.702	Q(18.75)=	463.5726
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	164.7400
μ_a =	2.170	A=	12715.0274
μ_b =	0.017	B=	11493.3306
μ_c =		C=	6028.2919

Frequencies from A. P. Cox and J. M. Riveros, 1965, J. Chem. Phys. **42**, 3106; M. E. Ott, M. B. Craddock and K. R. Leopold, 2005, J. Mol. Spec. 229(2), 286-289; and B. J. Drouin *et. al*, J. Mol. Spec. *accepted Dec. 2005* are fit. Nitrogen quadrupole coupling has been ignored. The dipole moment was taken from the remeasurements report by Cox for the main isotopomer and rotated into the inertial frame of the isotopologue. The vibrational partitioning has been ignored in the catalog prediction.