

Species Tag:	64003	Name:	AlCl-37
Version:	1		Aluminum monochloride,
Date:	Feb. 1995		³⁷ Cl isotope
Contributor:	M. L. Delitsky		
	H. M. Pickett		
Lines Listed:	11326	Q(300.0)=	21123.1371
Freq. (GHz) <	1260.2	Q(225.0)=	15837.5364
Max. J:	90	Q(150.0)=	10556.3508
LOGSTR0=	-10.0	Q(75.00)=	5279.8481
LOGSTR1=	-100.0	Q(37.50)=	2643.3531
Isotope Corr.:	-0.611	Q(18.75)=	1325.5532
Egy. (cm ⁻¹) >	0	Q(9.375)=	666.7844
μ_a =	1.000	A=	
μ_b =		B=	7117.51219
μ_c =		C=	

The only observed laboratory frequency measurements are of the the $J = 1 - 0$ transition reported in K. D. Hensel *et al.*, 1993, J. Chem. Phys. **99**, 3320. The D , H , and L parameters were fixed from Dunham Y_{ij} coefficients given in H. G. Hedderich *et al.*, 1993, J. Chem. Phys. **99**, 8363.

The dipole moment is an assumed value.