

Species Tag:	9001	Name:	LiD
Version:	2		Lithium deuteride,
Date:	Jan 2010		<sup>7</sup> Li, <sup>2</sup> H isotopes
Contributor:	B. J. Drouin		$\nu = 0, 1$
Lines Listed:	90	Q(300.0)=	50.812
Freq. (GHz) <	4772	Q(225.0)=	37.915
Max. J:	45	Q(150.0)=	25.314
LOGSTR0=	-20	Q(75.00)=	12.807
LOGSTR1=	-100	Q(37.50)=	6.573
Isotope Corr.:	-3.85	Q(18.75)=	3.469
Egy. (cm <sup>-1</sup> ) >	0.0	Q(9.375)=	1.938
$\mu_a =$	5.882	A=	
$\mu_b =$		B=	125538.0
$\mu_c =$		C=	

The line frequencies were taken from: Bellini, *et al.*, 1994, *Astrophys. J.* **424**, 507, and Plummer, Herbst and DeLucia, 1984, *J. Chem. Phys.* **81**, 4893, Maki, Olson and Thompson, 1990, *J. Mol. Spect.* **144**, 257, M. Dulick, K.-Q. Zhang, B. Guo, and P. F. Bernath *J. Molec. Spectrosc.* 188(1), 14-26 (1998).

The dipole moment is from L. Warton, L. P. Gold and W. Klemperer, 1960, *J. Chem. Phys.* **33**, 1255. It has been assumed to be the same for all isotopomers.