

ClONO₂



Chlorine nitrate

ID: 35

Line lists details:

The line list is part of HITRAN2020 (I.E. Gordon, et al. (2021), *JQSRT*, submitted).

Details	
Isotopologues:	³⁵ Cl ¹⁶ O ¹⁴ N ¹⁶ O ₂ , ³⁷ Cl ¹⁶ O ¹⁴ N ¹⁶ O ₂
Total number of lines:	32 199
Wavenumber range:	763.641 – 797.741 cm ⁻¹
Intensity range:	6.337×10 ⁻²⁵ – 3.850×10 ⁻²² cm/molecule
First included in HITRAN:	HITRAN1996 [LINK]
Following updates:	N/A

Reference codes:

Parameter	Reference number	Source
ν	1	W. Bell, G. Duxbury, D.D. Stuart (1992), <i>J. Mol. Spectrosc.</i> 152 , 283-297 [LINK] ; A. Goldman, et al. (1994), <i>JQSRT</i> 52 , 367-377 [LINK]
S	1	A. Goldman, et al. (1994), <i>JQSRT</i> 52 , 367-377 [LINK]
γ_{air}	1	A. Goldman, et al. (1994), <i>JQSRT</i> 52 , 367-377 [LINK]
γ_{self}	0	N/A
n_{air}	0	N/A
δ_{air}	0	N/A