

IDENTIFICATION OF THE $[12.3] \ ^2\Sigma^+ - B^2\Sigma^+$ TRANSITION OF NiCl

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The near infrared system of NiCl at $10\,496\text{ cm}^{-1}$ has been recorded and identified as the $[12.3] \ ^2\Sigma^+ - B^2\Sigma^+$ transition of NiCl. Improved molecular constants will be presented. Unusual intensity patterns are observed in the spectrum indicating a large perpendicular component of the transition dipole moment.