

**K811381 ASTRA**Aug 13, 1981  
90 days to decisionK811381 · Product code: **JFL** · Chemistry  
Source: <https://www.510kdatabase.net/k811381/>**SUBMISSION DETAILS**

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|-----------------------|---|
| Decision              | Substantially Equivalent (Cleared)        |
| Submission type       | Traditional                               |
| Device classification | Ph Rate Measurement, Carbon-dioxide (JFL) |
| Date received         | May 15, 1981                              |
| Decision date         | Aug 13, 1981                              |
| Days to decision      | 90 days                                   |
| Third-party review    | No  |

**APPLICANT**

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| Company        | <b>Chem-Elec, Inc.</b>                |
| Location       | Mchenry, IL, US                       |
| 510(k) history | 9 submissions · 9 cleared · 1981-1996 |

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510k Database - [www.510kdatabase.net](http://www.510kdatabase.net)

Device record: <https://www.510kdatabase.net/k811381/> Data sourced from FDA 510(k) public records ([accessdata.fda.gov](http://accessdata.fda.gov)).

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