

## CERTIFICATE OF ANALYSIS

Product Name: IMAX 91  
Isopropyl Alcohol IPA (91%)  
Part Number GP-1091  
Lot #: IMAX91181211

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| <u>Characteristic</u> | <u>Specification</u> | <u>Results</u> |
|-----------------------|----------------------|----------------|
| Assay                 | 91% +/- 1%           | 91.5%          |
| Color                 | Clear                | Pass           |
| Organic Impurity      | 0.1% max             | <0.01%         |
| Water                 | 9% +/- 1%            | 8.5%           |
| Aluminum              | 100 ppb max          | <10 ppb        |
| Boron                 | 100 ppb max          | <10 ppb        |
| Chromium              | 100 ppb max          | <10 ppb        |
| Magnesium             | 100 ppb max          | <10 ppb        |
| Cobalt                | 100 ppb max          | <10 ppb        |
| Copper                | 100 ppb max          | 70 ppb         |
| Lead                  | 100 ppb max          | <10 ppb        |
| Lithium               | 100 ppb max          | <10 ppb        |
| Manganese             | 100 ppb max          | <10 ppb        |
| Nickel                | 100 ppb max          | <10 ppb        |
| Potassium             | 100 ppb max          | 37 ppb         |
| Sodium                | 1 ppm max            | 183 ppb        |
| Strontium             | 100 ppb max          | <10 ppb        |
| Titanium              | 100 ppb max          | <10 ppb        |
| Zinc                  | 100 ppb max          | 76 ppb         |

Electronic Generated Cert.

December 11, 2018