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## **-CERTIFICATE OF ANALYSIS-**

Product: 4-Chloro-3-fluorocinnamic acid

Code Number: PC8154

CAS Number: 202982-66-9

Formula: C<sub>9</sub>H<sub>6</sub>ClFO<sub>2</sub>

Batch Number: AS421383

Appearance: Almost white crystalline powder

Melting Point: 242.1-243.4 degrees C

Water content: 0.05% (KF)

Purity by HPLC: 99.8% by area

Titration: 97.4% (acid/base titration)

Identity: FTIR Concordant

Verified by: David Parton

Signed: --Digital document, no signature required--