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## **-CERTIFICATE OF ANALYSIS-**

Product: 2-Chloro-1,3-thiazole-5-carboxaldehyde

Code Number: OR14891

CAS Number: 95453-58-0

Formula: C<sub>4</sub>H<sub>2</sub>CINOS

Batch Number: AS477648

Appearance: Yellow crystalline solid

Melting Point: 87.0 - 88.0 degrees C

Purity by GC: 98.7% by area

Purity by HPLC: 98.2% by area

Purity: 98.0% (1H-NMR)

Identity: 1H-NMR conforms to structure

Verified by: David Parton

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