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## **-CERTIFICATE OF ANALYSIS-**

Product: methyl 5-(chlorosulphonyl)-4-methyl-2-thiophenecarboxylate

Code Number: OR25981

CAS Number: 423768-46-1

Formula: C<sub>7</sub>H<sub>7</sub>ClO<sub>4</sub>S<sub>2</sub>

Batch Number: AS411493

Appearance: Off-white to pale yellow solid

Melting Point: 39.5-40.9 degrees C

Purity by GC: 96.5%

Purity by HPLC: 96.8%

Identity: NMR and IR conform to structure

Verified by: David Parton

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