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-CERTIFICATE OF ANALYSIS-

Product: 4-Chlorobenzenesulphonyl chloride

Code Number: OR4476

CAS Number: 98-60-2

Formula: C₆H₄Cl₂O₂S

Batch Number: AS516745

Appearance: White to off white crystalline solid

Melting Point: 51.1 - 54.3 degrees C

Purity by GC: 98.9% by area

Purity by HPLC: 97.7% by area

Identity: IR conforms to structure

Verified by: David Parton

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