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|-----------------------------|-------------|
| Version | 03 |
| Molecular weight | 170.64 |
| Quality Test / Release Date | 04/08/2021 |
| Molecular Formula | C9 H11 Cl O |
| CAS No | 100306-33-0 |
| Linear Formula | |
| Flash Point (°C) | |

Certificate of Analysis

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Acros Organics expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to human or animals. It is the responsibility of the purchaser, formulator or those performing further manufacturing to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

| | | | |
|------------------------------|-------------------------------------------|------------------------------------|------------|
| Catalog Number | 43204 | Quality Test / Release Date | 04/08/2021 |
| Lot Number | 336837 | Suggested retest date | 04/08/2026 |
| Description | (R)-(+)-3-Chloro-1-phenyl-1-propanol, 97% | | |
| Country of Origin | UNITED KINGDOM | | |
| Declaration of Origin | synthetic | | |

| | |
|-----------------|--|
| BSE/TSE | |
| Chemical | |

| Result name | Specifications | Test Value |
|---------------------------|-------------------------------------------------|-----------------------------------------|
| Appearance (Color) | White to yellow | White |
| Appearance (Form) | Powder | Powder or solid |
| Infrared spectrum | Conforms | Conforms |
| Melting point | 58°C to 61°C | 59.5°C to 59.8°C |
| GC | >=96.0 % | 98.6 % |
| Specific optical rotation | +23° to +29° (20°C, 589 nm) (c=1 in Chloroform) | +25° (20°C, 589 nm) (c=1 in Chloroform) |
| NMR (1H-NMR) | | Consistent with structure |



A handwritten signature in black ink, appearing to read "C. Wygaerts".

C. Wygaerts, QA Manager

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