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|-----------------------------|--------------------|
| Version | 00 |
| Molecular weight | 192.97 |
| Quality Test / Release Date | 11/14/2019 |
| Molecular Formula | C10 H13 Cl Mg |
| CAS No | 35293-35-7 |
| Linear Formula | C6H5C(CH3)2CH2MgCl |
| Flash Point (°C) | -28 |

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 | 43875 | Quality Test / Release Date | 11/14/2019 |
| Lot Number | A0413703 | | |
| Description | 2-Methyl-2-phenylpropylmagnesium chloride, 0.5M solution in diethyl ether, AcroSeal® | | |
| Country of Origin | UNITED STATES OF AMERICA | | |
| Declaration of Origin | synthetic | | |

| | |
|------------------------|--|
| BSE/TSE comment | |
|------------------------|--|

| | |
|-------------------------|--|
| Chemical Comment | |
|-------------------------|--|

| Result name | Units | Specifications | Test Value |
|-----------------------|-------|-------------------------------------------------|-------------------------------------------------|
| Appearance (Color) | | Colorless to yellow to grey | Colorless |
| Appearance (Form) | | Solution | Solution |
| Appearance | | May develop some turbidity or precipitate | May develop some turbidity or precipitate |
| Appearance | | If precipitation is present, gently mix | If precipitation is present, gently mix |
| Appearance | | precipitation back into solution under an inert | precipitation back into solution under an inert |
| Appearance | | atmosphere | atmosphere |
| Titration Active base | | 0.40 to 0.60 M | 0.45 M |



A handwritten signature in black ink, reading "L. Van den Broek".

L. Van den Broek, QA Manager

Issued: 11-15-2019

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