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## Certificate of Analysis

Product Name:

Cortisone-2,3,4-<sup>13</sup>C<sub>3</sub> solution - 100 µg/mL in methanol, 98 atom % <sup>13</sup>C, 97% (CP)

Product Number:

803154

Batch Number:

MBBC2744

Brand:

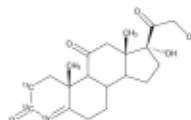
ALDRICH

Storage Temperature:

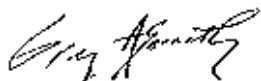
Store at -20 °C

Quality Release Date:

03 AUG 2017



| Test                  | Specification  | Result    |
|-----------------------|----------------|-----------|
| Appearance (Color)    | Colorless      | Colorless |
| Appearance (Form)     | Liquid         | Liquid    |
| Appearance (Clarity)  | Clear          | Clear     |
| Purity (HPLC)         | ≥ 97 %         | 97 %      |
| Proton NMR Spectrum   | Conforms       | Conforms  |
| Carbon NMR Spectrum   | Conforms       | Conforms  |
| Mass Spectrometry-13C | ≥ 98 %         | 100 %     |
| Concentration         | 90 - 110 µg/ml | 102 µg/ml |



Greg Abernathy, Supervisor

Quality Control

Miamisburg, Ohio US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.