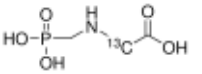
3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

# Certificate of Analysis

Product Name:
Glyphosate-2-$^{13}$C - 99 atom % $^{13}$C



| | |
|---|---|
| **Product Number:** | **606502** |
| **Batch Number:** | **MBBD0771** |
| Brand: | ALDRICH |
| CAS Number: | 287399-31-9 |
| MDL Number: | MFCD01075599 |
| Formula: | 13CC2H8NO5P |
| Formula Weight: | 170.06 g/mol |
| Quality Release Date: | 15 DEC 2020 |

| Test | Specification | Result |
|---|---|---|
| Appearance (Color) | White to Off White | White |
| Appearance (Form) | Solid | Solid |
| Water (by Karl Fischer) | ≤ 0.50 % | 0.05 % |
| Purity (HPLC) | ≥ 99.0 % | 99.2 % |
| 1H NMR Spectrum | Conforms to Structure | Conforms |
| 13C NMR Spectrum | Conforms to Structure | Conforms |
| 13C Enrichment based on labeled precursor | ≥ 99.0 atom % | 99.6 atom % |

Laura E. Baird, Manager
Quality Assurance & 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.