

## Certificate of Analysis

Date of Testing: 2024-08-27 19:04:18

Date of Next Testing: 2027-08-27 19:04:18

Product Name: **Choline-d4 Chloride**

CAS Number: 285979-70-6

Specifications & Purity:  $\geq 99\%$ ,  $\geq 98\text{atom}\% \text{D}$

Lot #: H2416127

SKU #: **C651832**

Version: **3**

Analysis #: **394331**

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                              | Limit Values          | Result                |
|----------------------------------------|-----------------------|-----------------------|
| Isotopic purity (Atom % D)             | 98-100 (%)            | 98.60 %               |
| Assay(Titration by AgNO <sub>3</sub> ) | 99-101.5 (%)          | 99.59 %               |
| NMR Spectrum 1H                        | Conforms to Structure | Conforms to Structure |
| LC-MS for identification               | Conforms              | Conforms              |



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