## Certificate of Analysis

L-Serine- ${ }^{13} \mathrm{C}_{3},{ }^{15} \mathrm{~N}$

| Cat. No.: | HY-N0650S5 |
| :--- | :--- |
| CAS No.: | $202407-34-9$ |
| Batch No.: | 247121 |
| Chemical Name: | L-Serine-1,2,3-13C3-15N |
|  |  |
| PHYSICAL AND CHEMICAL PROPERTIES |  |
| Molecular Formula: | ${ }^{13} \mathrm{C}_{3} \mathrm{H}_{7}{ }^{15} \mathrm{NO}_{3}$ |
| Molecular Weight: | 109.06 |
| Storage: | $4^{\circ} \mathrm{C}$, sealed storage, away from moisture and light |
|  | *In solvent : $-80^{\circ} \mathrm{C}, 6$ months; $-20^{\circ} \mathrm{C}, 1$ month (sealed storage, away from moisture and |
|  | light) |

## Chemical Structure:



ANALYTICAL DATA

| Appearance: | Off-white to light yellow (Solid) |
| :--- | :--- |
| Purity: | $\geq 99.0 \%$ |
| Isotopic Enrichment: | $99.60 \%$ |
| Conclusion: | The product has been tested and complies with the given specifications. |

