

## Certificate of Analysis

Date of Testing: 2022-10-10 09:16:06  
 Date of Next Testing: 2026-10-09 09:16:06  
 Product Name: **Tryptone**  
 CAS Number: 91079-40-2  
 Specifications & Purity: reagent grade  
 Lot #: I2220616  
 SKU #: **T139519**  
**Analysis:** **110452**  
 Storage Temperature: Protected from light, Argon charged

| Parameter   | Limit Values                    | Result                          |
|---|---------------------------------|---------------------------------|
| Ash   | 0-15 (%)                        | 11.90%                          |
| The total number of colonies  | ≤10000 (cfu/g)                  | 10.00 cfu/g                     |
| PH(2% in Water)   | 6.5-7.5                         | 7.38                            |
| Water by Karl Fischer   | 2-6 (%)                         | 3.88%                           |
| Total nitrogen(N)(as dry basis)                                       | ≥12 (%)                         | 13.10%                          |
| Amino nitrogen(as dry basis)  | ≥3 (%)                          | 3.50%                           |
| Coliform (mpn / g)  | 0-0.3                           | 0.20                            |
| NaCl  | 0-6 (%)                         | 2.79%                           |
| (As)Arsenic   | 0-2 (ppm)                       | 0.00 ppm                        |
| Lead(Pb)  | 0-2 (ppm)                       | 0.00 ppm                        |
| Salmonella(/25g)  | Undetected                      | Undetected                      |
| Shigella(/25g)  | Undetected                      | Undetected                      |
| Appearance (T139519)  | white to brown powder or pellet | white to brown powder or pellet |
| Solubility in H <sub>2</sub> O , Light Yellow Clear, No precipitation | pass                            | Pass                            |
| Staphylococcus aureus(/25g)   | Undetected                      | Undetected                      |



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager