

## Certificate of Analysis

Date of Testing: 2022-08-12 17:01:56  
Date of Next Testing: 2026-08-11 17:01:56  
Product Name: **Manganese chloride**  
CAS Number: 13446-34-9  
Specifications & Purity: for insect cell culture ,  $\geq 99\%$   
Lot #: H2205479  
SKU #: **M112543**  
Version: **0**  
Analysis #: **110637**  
Storage Temperature: Desiccated

| Parameter   | Limit Values          | Result                |
|---|-----------------------|-----------------------|
| Purity(Titration by AgNO <sub>3</sub> )                   | 99-100 (%)            | 99.65%                |
| Appearance (M112543)                                      | Pink powder           | Pink powder           |
| Insect cell culture test                                  | pass                  | Pass                  |
| Solubility,pink clear solution(10g+75ml H <sub>2</sub> O) | pass                  | Pass                  |
| X-Ray Diffraction   | Conforms to Structure | Conforms to Structure |



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