

## Certificate of Analysis

Date of Testing: 2023-08-02 11:29:42  
Date of Next Testing: 2028-07-31 11:29:42  
Product Name: **Synthetic agarose**  
CAS Number: 9012-36-6  
Specifications & Purity: High EEO  
Lot #: G2326673  
SKU #: **S579082**  
**Analysis:** **247322**  
Storage Temperature: Room temperature

| Parameter                                | Limit Values                 | Result                       |
|--|------------------------------|------------------------------|
| Sulfate(SO42-)                           | 0-0.2 (%)                    | 0.15 %                       |
| Moisture content                         | 0-10 (%)                     | 8.60 %                       |
| Gel strength(1.5%)                       | ≥1500 (g/cm <sup>2</sup> )   | 2009.40000 g/cm <sup>2</sup> |
| Electroendosmosis (-MR)                  | ≤0.25                        | 0.24                         |
| Gel Temperature(1.5%)                    | 41-45 (°C)                   | 45.00000 °C                  |
| Melt Temperature(1.5%)                   | 94-98 (°C)                   | 98.00000 °C                  |
| Appearance(S579082)                      | White to Light Yellow Powder | white to light yellow powder |
| DNase, RNase and Protease not detectable | Pass                         | Pass                         |



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QA & QC Manager