

## Certificate of Analysis

Date of Testing: 2023-06-29 11:25:26  
Date of Next Testing: 2027-06-28 11:25:26  
Product Name: **Gallic acid monohydrate**  
CAS Number: 5995-86-8  
Specifications & Purity: 98%  
Lot #: F23161133  
SKU #: **G597655**  
**Analysis:** **246099**  
Storage Temperature: Argon charged

| Parameter                                       | Limit Values                                  | Result                                        |
|-------------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Melting point                                   | 250-254 (°C)                                  | 253.19000 °C                                  |
| Ignition Residue                                | 0-0.05 (%)                                    | 0.04 %                                        |
| Loss on drying                                  | 0-10 (%)                                      | 9.86 %                                        |
| Purity(Neutralization titration) (after drying) | 97.5-102.5 (%)                                | 99.90 %                                       |
| Insoluble matter in H2O                         | 0-0.01 (%)                                    | 0.00 %                                        |
| Purity(HPLC area)                               | 98-100 (%)                                    | 99.35 %                                       |
| Appearance(G597655)                             | white to off-white to beige powder to crystal | white to off-white to beige powder to crystal |
| Solubility in hot H2O,very faint turbidity pass | Pass                                          | Pass                                          |
| Infrared spectrum                               | Conforms to Structure                         | Conforms to Structure                         |



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