

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: Glycolic acid,98%

ITEM NUMBER: G104191  
BRAND: Aladdin  
CAS NUMBER: 79-14-1  
MDL NUMBER: MFCD00004312  
FORMULA: C<sub>2</sub>H<sub>4</sub>O<sub>3</sub>  
MOLECULAR WEIGHT: 76.05

| TEST                             | SPECIFICATION                        |        | TARGET VALUE |
|----------------------------------|--------------------------------------|--------|--------------|
|                                  | MIN.                                 | MAX.   |              |
| Appearance                       | White Powder, Crystals and/or Chunks |        |              |
| Carbon NMR Spectrum              | Conforms to Structure                |        |              |
| Infrared spectrum                | Conforms to Structure                |        |              |
| Melting point                    | 75 ° C                               | 80 ° C | 80 ° C       |
| Purity(neutralization titration) | 98 %                                 | 100 %  | 100 %        |
| Solubility in Water              | almost transparency                  |        |              |