

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: Ethyl 3-chloropropionate,98%

ITEM NUMBER: E100652  
BRAND: Aladdin  
CAS NUMBER: 623-71-2  
MDL NUMBER: MFCD00000989  
FORMULA: C<sub>5</sub>H<sub>9</sub>ClO<sub>2</sub>  
MOLECULAR WEIGHT: 136.58

| TEST                                | SPECIFICATION         |       | TARGET VALUE |
|-------------------------------------|-----------------------|-------|--------------|
|                                     | MIN.                  | MAX.  |              |
| Appearance                          | Colorless Liquid      |       |              |
| Infrared spectrum                   | Conforms to Structure |       |              |
| Purity(GC)                          | 98 %                  | 100 % | 100 %        |
| Refractive index n <sub>20</sub> /D | 1.424                 | 1.426 | 1.426        |
| Specific gravity (20/20 ° C)        | 1.101                 | 1.105 | 1.105        |