

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: 3-Methylcyclohexanol (cis- and trans- mixture),98%

ITEM NUMBER: M106721  
BRAND: Aladdin  
CAS NUMBER: 591-23-1  
MDL NUMBER: MFCD00001446  
FORMULA: C<sub>8</sub>H<sub>10</sub>O  
MOLECULAR WEIGHT: 114.19

| TEST                                | SPECIFICATION         |       | TARGET VALUE |
|-------------------------------------|-----------------------|-------|--------------|
|                                     | MIN.                  | MAX.  |              |
| Appearance                          | Colorless Liquid      |       |              |
| Infrared spectrum                   | Conforms to Structure |       |              |
| Purity(cis- + trans- mixture)(GC)   | 98 %                  | 100 % | 100 %        |
| Refractive index n <sub>20</sub> /D | 1.456                 | 1.459 | 1.459        |
| Specific gravity (20/20 ° C)        | 0.915                 | 0.921 | 0.921        |