

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

## Certificate of Analysis

Date of Testing: 2025-06-04 16:06:58

Date of Next Testing: 2028-06-03 16:06:58

Product Name: **Cyclopentanecarboxylic acid**

CAS Number: 3400-45-1

Specifications & Purity: 98%

Lot #: E2528042

SKU #: **S46143**

Version: **0**

Analysis #: **520522**

Storage Temperature: Room temperature, Argon charged

| Parameter                          | Limit Values                           | Result                                 |
|------------------------------------|----------------------------------------|----------------------------------------|
| Density (20°C)                     | 1.052-1.055                            | 1.05                                   |
| Purity(GC)                         | 98-100 (%)                             | 99.48 %                                |
| Refractive index n <sub>20/D</sub> | 1.452-1.454                            | 1.45                                   |
| Purity(Neutralization titration)   | 98-100 (%)                             | 98.96 %                                |
| Proton NMR spectrum                | Conforms to Structure                  | Conforms to Structure                  |
| Appearance(S46143)                 | Colorless to pale yellow to tan liquid | Colorless to pale yellow to tan liquid |

Quality Assurance : Xiaoyong Tan

Quality Control : Yunfei Zou

