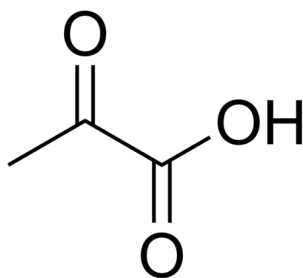


Certificate of Analysis

Compound Information

| | |
|----------------------------|--|
| Product Name: | Pyruvic acid |
| Cat. No.: | 1019130 |
| CAS No.: | 127-17-3 |
| Molecular Formula: | C ₃ H ₄ O ₃ |
| Molecular Weight: | 88.06 |
| Chemical Structure: | |



Batch Information

| | |
|---------------------|------------------------------|
| Batch No.: | Lc0826120 |
| Storage: | 2-8°C, stored under nitrogen |
| Mfg. Date: | 2018-11-28 |
| Retest Date: | 2021-11-27 |
| Origin: | Shanghai, China |

QC Summary

| | |
|------------------------------------|---|
| Appearance: | Colorless to light yellow (<11°C Solid,>12°C Liquid) |
| ¹H NMR Spectrum: | Consistent with structure |
| Purity (GC): | 97.99% |
| Conclusion: | The product has been tested and complies with the given specifications. |

Caution: Research use only and are not intended for human use.

Tel: 400-821-0725

E-mail: product@leyan.com

Address: No. 1999 Zhangheng Road, Building 3, Zhangjiang High-Tech Park, Shanghai