

**MP Biomedicals, LLC**29525 Fountain Parkway  
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## Certificate of Analysis

**Product Description:** Sodium Pyruvate  
**Catalog Number:** 199654  
**Lot:** Q7144**Formula:** C<sub>3</sub>H<sub>3</sub>O<sub>3</sub>Na  
**CAS #:** 113-24-6  
**Physical Description:** White Crystalline Powder**Formula Weight:** 110.04  
**Storage:** 2 - 8°C

Test	Specification	Result
Identity Test	Passes	Passes
Assay	≥98.0%	99.7%
Solubility (0.06 g/ml)	Clear and Complete	Clear and Complete
Free Acid	≤ 0.25%	0.03%

Loss on Drying: 0.2%  
Sulphate: ≤400 ppm  
Chloride: ≤100 ppm  
Arsenic: ≤1 ppm  
Heavy metals: ≤10 ppm  
pH: 6.71  
Transparency: 92%  
Pyruvic ion: 77.5%  
Recommended Retest Date: 07/01/2019



08/01/2017 - John Huang, PhD  
MP Biomedicals, LLC.  
Quality Control Manager

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