



# WUHU HUAHAI BIOLOGY ENGINEERING CO., LTD

WUHU GREEN FOOD ECONOMIC DEVELOPMENT ZONE

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: METHYL PARABEN

QUANTITY: 2000KGS

BATCH NO.: 20241217

MANUFACTURING DATE: DEC.17.2024

EXPIRY DATE: DEC.16,2027

REFERENCE STANDARD: USP43

| Item                            | Specification   | Test Results         |
|---------------------------------|---|----------------------|
| 1. Appearance                   | White powder  | Passed               |
| 2. Purity (on dry base) %       | 98.0- 102.0   | 99.71                |
| 3. Melting Point °C             | 125- 128  | 126.9                |
| 4. Acid (≤0.1ml,0.1M NaOH)      | ≤0.1  | <0.1                 |
| 5. Identification               | A. Infrared absorption Spectrophotometry<br>B. Thin-Layer Chromatographic                 | Passed               |
| 6. Residue %                    | ≤0.1  | 0.06                 |
| 7. Loss on drying %             | ≤0.5  | 0.14                 |
| 8. Heavy Metal (Pb)             | ≤ 10ppm   | < 10ppm              |
| 9. Residual solvents (Methanol) | < 1000PPM   | Passed               |
| 10. Related Substances          | P-Hydroxybenzoic acid: ≤0.5%<br>Unspecified impurities: ≤0.5%<br>Total impurities: ≤ 1.0% | 0.08<br>0.03<br>0.11 |
| 11. Color of solution           | 100mg/ml in alcohol, The solution is clear.   | Passed               |
| 12. Organic Volatile impurities | ≤0.05%  | Passed               |

CONCLUSION: THE ABOVE RESULTS MEETS USP43 STANDARD

