



检测报告 CERTIFICATE OF ANALYSIS

|                            |                                                                                             |                     |               |
|----------------------------|---------------------------------------------------------------------------------------------|---------------------|---------------|
| 产品名称 Product Name:         | 二甲基砷 Methyl Sulphonyl Methane                                                               |                     |               |
| CAS No.:                   | 67-71-0                                                                                     | 参考标准 Ref. Standard: | USP42         |
| 批号 Batch No.:              | 20250719                                                                                    | 生产日期 Manuf. Date:   | Jul. 19, 2025 |
| 数量 Quantity:               | 2000kg                                                                                      | 有效期至 Expiry Date:   | Jul. 18, 2029 |
| 储存条件<br>Storage Condition: | 储存在密封容器中，阴凉干燥处，远离阳光。<br>Store in sealed containers at cool & dry place, away from sunlight. |                     |               |

| 项目 Item                                  | 标准 Specification          | 结果 Result                 | 方法 Method       |
|------------------------------------------|---------------------------|---------------------------|-----------------|
| 纯度 Purity                                | ≥99.90%                   | 99.95%                    | USP<621>        |
| 二甲基亚砷含量<br>DMSO Content                  | ≤0.01%                    | 0                         | USP<621>        |
| 外观 Appearance                            | 白色晶体<br>White crystalline | 白色晶体<br>White crystalline | 感官 Organoleptic |
| 气味 Odor                                  | 无味 Odorless               | 符合 Conforms               | 感官 Organoleptic |
| 理化指标 Physical & Chemical Characteristics |                           |                           |                 |
| 熔点 Melting Point                         | 108.5-110.5°C             | 108.9°C                   | USP<741>        |
| 粒度 Particle Size                         | 40-80Mesh                 | 符合 Conforms               | 筛分 Sieving      |
| 水分 Water Content                         | ≤0.20%                    | 0.10%                     | USP<921>        |
| 炽灼残渣<br>Residue on ignition              | ≤0.50%                    | 符合 Conforms               | USP<281>        |
| 堆密度 Bulk Density                         | ≥0.65 g/ml                | 0.68g/ml                  | /               |
| 重金属 Heavy Metals                         | ≤3.0ppm                   | 符合 Conforms               | USP<231>        |
| 砷 Arsenic(As)                            | ≤ 1.0ppm                  | 符合 Conforms               | USP<231>        |
| 镉 Cadmium(Cd)                            | ≤ 0.1ppm                  | 符合 Conforms               | USP<231>        |
| 汞 Mercury(Hg)                            | ≤ 0.1ppm                  | 符合 Conforms               | USP<231>        |
| 铅 Lead(Pb)                               | ≤ 0.3ppm                  | 符合 Conforms               | USP<231>        |
| 微生物指标 Microbiological Tests              |                           |                           |                 |
| 菌落总数 Total Plate Count                   | ≤1000cfu/g                | 符合 Conforms               | USP<2021>       |
| 酵母&霉菌 Yeas & Mold                        | ≤10cfu/g                  | 符合 Conforms               | USP<2021>       |
| 大肠菌群 Coliform                            | 阴性 Negative               | 阴性 Negative               | USP<2021>       |



|                                     |                                           |             |           |
|-------------------------------------|-------------------------------------------|-------------|-----------|
| 大肠杆菌 E.Coli                         | 阴性 Negative                               | 阴性 Negative | USP<2022> |
| 沙门氏菌 Salmonella                     | 阴性 Negative                               | 阴性 Negative | USP<2021> |
| 需氧菌<br>Standard Aerobic Plate Count | ≤10cfu/g                                  | 符合 Conforms | USP<2021> |
| 结论 Conclusion                       | 符合 USP42 标准 Conformed with USP42 standard |             |           |

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