



大连汉德姆精细化学品有限公司

DALIAN HANDOM CHEMICALS CO.,LTD.

质检报告单

Certificate of Analysis

品名Product Name: L-O-磷酸丝氨酸O-Phospho-L-serine

CAS号CAS No.: 407-41-0

批号Batch No.: C242309802

批次数Batch Quantity: 1000Kg

生产日期MFG. Date: Aug 30<sup>th</sup>, 2023

复检日期Retest Date: Aug 29<sup>th</sup>, 2025

报告日期Report Date: Aug 31<sup>st</sup>, 2023

包装尺寸Packing Size: 25Kg/Drum

| 检测项目Test Items                              | 标准Specifications  | 检测结果Test Results |
|---|---|------------------|
| 外观<br>Appearance                            | 白色或类白色结晶性粉末<br>White or off-white crystalline powder  | 符合标准<br>Conforms |
| 鉴别<br>Identification                        | 供试品溶液所显主斑点的位置和颜色应与对照品溶液的主斑点相同<br>The location and the colour of the main spot in the test solution should be the same as that in the control solution | 符合标准<br>Conforms |
| 溶解度 Solubility (1% w/v)                     | 完全溶解 Completely dissolved   | 符合标准 Conforms    |
| pH值 pH Value(1% w/v)                        | 1.5 ~ 2.5   | 2.0              |
| 透光率 Transparency(2% w/v 430nm)              | ≥95.0%  | 98.6%            |
| 水分 Water by KF                              | ≤1.0%   | 0.16%            |
| 比旋度 Specific Rotation                       | +14.0° ~ +16.0°   | 14.6°            |
| 无机磷 Inorganic Phosphorus                    | ≤0.2%   | <0.2%            |
| 硫酸盐 Sulphate                                | ≤200ppm   | <200ppm          |
| 氯化物 Chloride                                | ≤200ppm   | <200ppm          |
| 含量 Assay (NaOH, Potentiometric)             | 98.0% ~ 101.0%  | 99.4%            |
| L-丝氨酸含量 L-Serine Content (TLC)              | ≤1%   | <1%              |
| 其他单一杂质 Other Single Impurity (TLC)          | ≤0.1%   | <0.1%            |
| 总杂质 Total Impurities (TLC)                  | ≤1%   | <1%              |
| 残留溶剂 Residual Solvents<br>甲醇 Methyl Alcohol | ≤1000ppm  | 157ppm           |
| 结论<br>Conclusion                            | 本品符合企业标准。<br>This product is complied with the Enterprise Standard.   |                  |

办公地址: 中国辽宁省大连市甘井子区六和路21号7层2室, 邮编116091

Addr.: R#702, Building 21, Liuhe Road, Ganjingzi Dist, Dalian-116091, China