



HEBEI HUAHENG BIOLOGICAL TECHNOLOGY CO.,LTD

河北华恒生物科技有限公司

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SPECIFICATION

Product Name:L-Leucine

CAS:61-90-5

Molecular formula: C₆H₁₃NO₂

EINECS: 200-522-0

Package:25kg/drum

Standard: USP

| 项 目 Item | 标 准 Specifications | 检测方法 Check Test |
|---|-------------------------------------|---------------------------------|
| 外观 Appearance | 白色结晶性粉末 White crystalline powder | Visual method 目测 |
| 含量 (干基), % Assay, % | 98.5~101.5 | Titrimetry <541> |
| 比旋光度[α] _D ²⁵ Specific optical rotation | +14.9° ~ +17.3° | Specific Rotation <781S> |
| PH 值 PH value | 5.5 ~ 7.0 | pH<791> |
| 氯化物(以 Cl 计), % Chloride(as Cl), % | ≤ max 0.05 | Chloride <221> |
| 硫酸盐(以 SO ₄ 计), % Sulphate(as SO ₄), % | ≤ max 0.03 | Sulfate <221> |
| 铁(以 Fe 计), % Iron (as Fe), % | ≤ max 0.003 | IRON<241> |
| 重金属(以 Pb 计), % Heavy metals (as Pb), % | ≤ max 0.0015 | HEAVY METALS, Method I <231> |
| 干燥失重, % Loss on drying, % | ≤ max 0.20 | LOSS ON DRYING <731> |
| 炽灼残渣, % Residue on ignition, % | ≤ max 0.40 | RESIDUE ON IGNITION<281> |