



上海源叶生物科技有限公司  
Shanghai yuanye Bio-Technology Co., Ltd  
电话: 400-666-5481 传真: 021-55068248  
网址: www.shyuanye.com  
邮箱: 3008007435@qq.com

## 质量检验报告

### CERTIFICATE OF ANALYSIS

产品名称(Product Name): 20 种天然氨基酸套装

英文名称(English Name): 20 Amino Acid (20AA)Standard Set

纯度 / Purity: HPLC≥98%

规格 / Size: 20\*200mg

储存条件 / Storage: Store at 2-8℃, 3 years

货号(Item No): B29409

批号: KB44831A

20种氨基酸, 及其溶解性分别为:

| CAS No.  | 产品/<br>Product            | 分子式/<br>Formula                                               | 分子量/<br>Molecular Wt | 溶解性/<br>Solubility   |
|----------|---------------------------|---------------------------------------------------------------|----------------------|----------------------|
| 56-40-6  | L-甘氨酸<br>L-Glycine        | C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub>                 | 75.07                | ≥10mg/mL in Water    |
| 72-18-4  | L-缬氨酸<br>L-Valine         | C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub>                | 117.15               | ≥10mg/mL in Water    |
| 61-90-5  | L-亮氨酸<br>L-Leucine        | C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub>                | 131.17               | ≥10mg/mL in 1M HCl   |
| 73-32-5  | L-异亮氨酸<br>L-Isoleucine    | C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub>                | 131.17               | ≥10mg/mL in Water    |
| 63-68-3  | L-蛋氨酸<br>L-Methionine     | C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> S              | 149.21               | ≥10mg/mL in 1M NaOH  |
| 147-85-3 | L-脯氨酸<br>L-Proline        | C <sub>5</sub> H <sub>9</sub> NO <sub>2</sub>                 | 115.13               | ≥10mg/mL in Water    |
| 63-91-2  | L-苯丙氨酸<br>L-Phenylalanine | C <sub>9</sub> H <sub>11</sub> NO <sub>2</sub>                | 165.19               | ≥10mg/mL in 1M NaOH  |
| 60-18-4  | L-酪氨酸<br>L-Tyrosine       | C <sub>9</sub> H <sub>11</sub> NO <sub>3</sub>                | 181.19               | ≥10mg/mL in 1M HCl   |
| 56-45-1  | L-丝氨酸<br>L-Serine         | C <sub>3</sub> H <sub>7</sub> NO <sub>3</sub>                 | 105.09               | ≥10mg/mL in Water    |
| 72-19-5  | L-苏氨酸<br>L-Threonine      | C <sub>4</sub> H <sub>9</sub> NO <sub>3</sub>                 | 119.12               | ≥10mg/mL in Water    |
| 73-22-3  | L-色氨酸<br>L-Tryptophan     | C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> | 204.23               | ≥10mg/mL in 0.5M HCl |
| 70-47-3  | L-天冬酰胺<br>L-Asparagine    | C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O <sub>3</sub>   | 132.12               | ≥10mg/mL in Water    |



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|         |                           |                   |         |                                  |
|---------|---------------------------|-------------------|---------|----------------------------------|
| 56-85-9 | L-谷氨酰胺<br>L - Glutamine   | $C_5H_{10}N_2O_3$ | 146.15  | $\geq 10\text{mg/mL}$ in 1M HCl  |
| 56-87-1 | L-赖氨酸<br>L-Lysine         | $C_8H_{14}N_2O_2$ | 146.189 | $\geq 10\text{mg/mL}$ in Water   |
| 52-90-4 | L-半胱氨酸<br>L-Cysteine      | $C_3H_7NO_2S$     | 121.16  | $\geq 10\text{mg/mL}$ in Water   |
| 74-79-3 | L-精氨酸<br>L-Arginine       | $C_6H_{14}N_4O_2$ | 174.2   | $\geq 10\text{mg/mL}$ in Water   |
| 56-84-8 | L-天冬氨酸<br>L-Aspartic acid | $C_4H_7NO_4$      | 133.1   | $\geq 10\text{mg/mL}$ in 1M NaOH |
| 71-00-1 | L-组氨酸<br>L-Histidine      | $C_6H_9N_3O_2$    | 155.16  | $\geq 10\text{mg/mL}$ 0.5M HCl   |
| 56-86-0 | L-谷氨酸<br>L-Glutamic acid  | $C_5H_9NO_4$      | 147.13  | $\geq 10\text{mg/mL}$ in 1M HCl  |
| 56-41-7 | L-丙氨酸<br>L-Alanine        | $C_3H_7NO_2$      | 89.09   | $\geq 10\text{mg/mL}$ in Water   |

Quality Assurance: Xiaoyong Tan

Quality Control: Yunfei Zhu



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