



# Jing Jing Pharmaceutical Co.,Ltd

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## Certificate Of Analysis

|                                                                                                                                                                       |                      |                      |            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|------------|
| Name                                                                                                                                                                  | Calcium pantothenate | Quantity             | 2000kg     |
| CAS                                                                                                                                                                   | 137-08-6             | Batch number         | C852212022 |
| Manufacture date                                                                                                                                                      | 2022.12.24           | Report date          | 2022.12.29 |
| Analysis date                                                                                                                                                         | 2022.12.24           | Expiry date          | 2025.12.23 |
| Analysis items                                                                                                                                                        | Standards            | Results              |            |
| Appearance                                                                                                                                                            | A white powder       | White powder         |            |
| Solution in Water                                                                                                                                                     | Clear and colourless | Clear and colourless |            |
| Identification<br>A:TLC Complies<br>B:A solution(1 in 20) responds to the tests for Calcium<br>C:The solution is blue and purple.<br>D:The solution is bright yellow. | Conform              | Conform              |            |
| Content of calcium pantothenate(calculated on the mass of dried product) / ( % )                                                                                      | 98.0 ~ 101.0         | 99.1                 |            |
| Specific rotation(calculated on the mass of dried product)                                                                                                            | +25.0° ~ +27.5°      | +27.0°               |            |
| pH                                                                                                                                                                    | 6.8~8.0              | 7.2                  |            |
| Loss on dried/ ( % )                                                                                                                                                  | ≤3.0                 | 0.7                  |            |
| 3-Aminopropionic Acid/ ( % )                                                                                                                                          | ≤0.5                 | 0.48                 |            |
| Heavy metals                                                                                                                                                          | ≤ 20ppm              | Conform              |            |
| Total Aerobic bacterias                                                                                                                                               | ≤1000cfu/g           | 4                    |            |
| Yeast & Mold                                                                                                                                                          | ≤100cfu/g            | 1                    |            |
| E-Coli                                                                                                                                                                | Negative/10g         | Not detected         |            |
| Salmonella                                                                                                                                                            | Negative/10g         | Not detected         |            |

Conclusion: Conform to IP

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