



# Shaanxi New Things Biotech Co.,Ltd

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## Certificate of Analysis

|                 |                         |                    |                          |
|-----------------|-------------------------|--------------------|--------------------------|
| Product Name    | Zeaxanthin Beadlets CWS | Botanical Source   | <i>Tagetes erecta L.</i> |
| Plant Part      | Marigold flower         | Batch Quantity     | 1,100kg                  |
| Batch No.       | NT20260624              | Manufacturing Date | 2026-06-24               |
| Expiration Date | 2028-06-23              | Package            | Aluminum foil bags       |

| Item                                    | Specification                                                                                                                                                                                                                               | Results    | Methods     |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|
| Appearance                              | It has the inherent color of the product. Visible light yellow particles are allowed. It has the inherent taste and smell of the product, without any unpleasant odor. The powder or particles are free of any visible external impurities. | Complies   | Visual      |
| Xanthophylls                            | ≥5.5%                                                                                                                                                                                                                                       | 6.13%      | Q/STY 0004S |
| Zeaxanthin                              | ≥5.0%                                                                                                                                                                                                                                       | 5.43%      | Q/STY 0004S |
| Loss on Drying                          | ≤ 5.0%                                                                                                                                                                                                                                      | 4.60%      | GB 5009.3   |
| Density                                 | 0.35-0.65g/ml                                                                                                                                                                                                                               | Complies   | USP616      |
| Particle size(pass through sieve No.40) | ≥95.0%                                                                                                                                                                                                                                      | Complies   | Q/STY 0004S |
| Lead (Pb)                               | ≤1mg/kg                                                                                                                                                                                                                                     | 0.07mg/kg  | GB 5009.12  |
| Arsenic (As)                            | ≤1mg/kg                                                                                                                                                                                                                                     | 0.08mg/kg  | GB 5009.11  |
| Mercury (Hg)                            | ≤0.1mg/kg                                                                                                                                                                                                                                   | <0.01mg/kg | GB 5009.17  |
| Cadmium (Cd)                            | ≤0.5mg/kg                                                                                                                                                                                                                                   | <0.01mg/kg | GB 5009.15  |
| Total Plate Count                       | ≤ 1,000 cfu/g                                                                                                                                                                                                                               | 70cfu/g    | GB 4789.2   |
| Molds and Yeasts                        | ≤ 100 cfu/g                                                                                                                                                                                                                                 | 20cfu/g    | GB 4789.15  |
| Coli Group                              | ≤3.0 MPN/g                                                                                                                                                                                                                                  | Complies   | GB 4789.3   |
| Salmonella                              | Negative/25g                                                                                                                                                                                                                                | Negative   | GB 4789.4   |
| Staphylococcus aureus                   | Negative/25g                                                                                                                                                                                                                                | Negative   | GB 4789.10  |
| Listeria monocytogene                   | Negative/25g                                                                                                                                                                                                                                | Negative   | GB 4789.30  |
| Conclusion                              | The product meets the testing requirements by inspection.                                                                                                                                                                                   |            |             |
| Shelf Life                              | 2 Year if sealed and store away from direct sun light.                                                                                                                                                                                      |            |             |

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