



We Bring Natural Ingredient From Nature

Shaanxi Guanjie Technology Co., Ltd.

## Certificate of Analysis

|                   |                   |                  |             |
|-------------------|-------------------|------------------|-------------|
| Product Name      | Sesame Extract    | CAS NO           | 11042-64-1  |
| Molecular Formula | 602.8861          | Molecular weight | 602.8861    |
| Batch No          | SE220725          | Manufacture Date | Jul.25,2022 |
| Batch Quantity    | 500kg             | Certificate Date | Jul.29,2022 |
| Package           | 25kg/Paper Drum   | Expiry Date      | Jul.24,2024 |
| Storage condition | Ethanol and Water |                  |             |

| Analysis Item                | Specification            | Result                    | Method          |
|------------------------------|--------------------------|---------------------------|-----------------|
| Sesamin                      | ≥ 98.0%                  | 98.07%                    | HPLC            |
| Appearance                   | White crystalline powder | Complies                  | Visual          |
| Odor                         | Characteristic           | Complies                  | Organoleptic    |
| Identification               | Positive                 | Complies                  | TLC             |
| Powder Size                  | ≥ 95% through 30 mesh    | Complies                  | USP #30 Sieve   |
| Loss on Drying               | ≤ 0.5%                   | 0.13%                     | USP39-NF34<731> |
| Residue on Ignition          | ≤ 0.5%                   | 0.19%                     | USP39-NF34<281> |
| Residual Ethanol             | ≤ 5,000 µg/g             | 4.1x10 <sup>2</sup> µg/g  | USP39-NF34<467> |
| Pesticide Residues           | USP<561>                 | Complies                  | USP39-NF34<561> |
| Total Heavy Metals           | ≤ 10 µg/g                | Complies                  | USP39-NF34<23   |
| Arsenic (As)                 | ≤ 1.0 µg/g               | ND (< 0.1 µg/g)           | ICP-MS          |
| Cadmium (Cd)                 | ≤ 0.5 µg/g               | ND (< 0.01 µg/g)          | ICP-MS          |
| Lead (Pb)                    | ≤ 1.0 µg/g               | ND (< 0.1 µg/g)           | ICP-MS          |
| Mercury (Hg)                 | ≤ 0.5 µg/g               | ND (< 0.01 µg/g)          | ICP-MS          |
| Total Plate Count            | ≤ 1,000 cfu/g            | 1.2x10 <sup>2</sup> cfu/g | USP39-NF34<2    |
| Molds and Yeasts             | ≤ 100 cfu/g              | <10 cfu/g                 | USP39-NF34<20   |
| <i>Salmonella</i>            | Absence                  | Complies                  | USP39-NF34<20   |
| <i>E. Coli</i>               | Absence                  | Complies                  | USP39-NF34<20   |
| <i>Staphylococcus aureus</i> | Absence                  | Complies                  | USP39-NF34<20   |
| Aflatoxins                   | ≤ 20 ppb                 | ND                        | USP39-NF34<561  |

Conclusion: Complies with specification

Tested by: Liu gang

Date: 2022.07.29

Approved by: Susan Sun, Ph.D

Date: 2022.07.29



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