



## Shaanxi LonierHerb Bio-Technology Co., Ltd.

Add: Tuanjie South Road No.11, Hi-tech Zone, Xi'an China

Tel: +86-29-87551862/ 85875292

www.Lonierherb.com E-mail:info@lonierherb.com

### Certificate of Analysis

#### Product Information

|                |                           |                  |             |
|----------------|---------------------------|------------------|-------------|
| Product Name   | Grape Skin Extract Powder | Report Number    | GSL20200738 |
| Botanical Name | Vitis vinifera L          | Manufacture Date | 2020.07.16  |
| Used Part      | Skin                      | Analysis Date    | 2020.07.21  |
| Batch Number   | GSL200716                 | Report Date      | 2020.07.26  |
| Batch Quantity | 1000KG                    | Expiry Date      | 2023.07.15  |

| Test items                | Specifications  | Result   | Test Methods |
|---------------------------|-----------------|----------|--------------|
| <b>Active Ingredients</b> |                 |          |              |
| Polyphenols               | NLT50%          | 51.62%   | UV           |
| Extract Solvent           | Water & Alcohol | Conforms | Visual       |

#### Physical & Chemical Data

|                |                         |              |                |
|----------------|-------------------------|--------------|----------------|
| Appearance     | Dark Purple Fine Powder | Conforms     | Visual         |
| Odor and Taste | Characteristic          | Conforms     | Organoleptic   |
| Sieve analysis | 90% through 80 mesh     | Conforms     | 80 Mesh Screen |
| Loss on Drying | ≤5.0 %                  | 3.25%        | 105°C/2 hrs    |
| Total Ash      | ≤5.0 %                  | 3.50%        | GB 5009.4      |
| Bulk Density   | 40~60 g/100mL           | 55.2 g/100mL | GB/T 18798.5   |
| Tap Density    | 60~90g/100mL            | 68.5 g/100mL | GB/T 18798.5   |

#### Contaminants

|                  |             |            |        |
|------------------|-------------|------------|--------|
| Lead (Pb)        | <3.0mg/kg   | 0.26mg/kg  | ICP-MS |
| Arsenic (As)     | <2.0mg/kg   | 0.20mg/kg  | ICP-MS |
| Cadmium (Cd)     | <1.0mg/kg   | 0.08mg/kg  | ICP-MS |
| Mercury (Hg)     | <0.1mg/kg   | 0.001mg/kg | ICP-MS |
| Solvents Residue | <5000 mg/kg |            | GC     |

#### Microbiological

|                       |             |          |            |
|-----------------------|-------------|----------|------------|
| Total Aerobic Count   | ≤ 1000cfu/g | 620cfu/g | GB 4789.2  |
| Yeast & Moulds        | ≤ 100cfu/g  | 10cfu/g  | GB 4789.15 |
| E-Coli                | Negative    | Conforms | GB 4789.3  |
| Salmonella            | Negative    | Conforms | GB 4789.4  |
| Staphylococcus Aureus | Negative    | Conforms | GB 4789.10 |

#### Storage & Packing

|             |                                                                     |
|-------------|---------------------------------------------------------------------|
| Shelf Life: | 3 years when properly stored.                                       |
| Packing :   | Packed in paper-drums and two plastic-bags inside.                  |
| Storage:    | Store in cool & dry place, not freeze. Keep away from strong light. |

Remarks: This product is natural, the color vary from batch to batch.

Tested by: 张丽娟

Checker: 李明

Approved:

