**Shaanxi LonierHerb Bio-Technology Co., Ltd.**
**Add: No.56 Jinye Road, Hi-tech Zone, Xi'an China 710077**
**Tel: +86-29-87551862/ 85875292**
**www. Lonierherb.com E-mail:info@lonierherb.com**

V2.01-2021

# Certificate of Analysis

| **Product Information** | | | |
|---|---|---|---|
| Product Name | Arnica Extract Powder | Report Number | AEN20211135 |
| Botanical Name | Arnica montana | Manufacture Date | 2021/11/10 |
| Used Part | Flower | Analysis Date | 2021/11/15 |
| Batch Number | AEN211110 | Report Date | 2021/11/20 |
| Batch Quantity | 1000Kg | Expiry Date | 2024/11/09 |

| ***Test Items*** | ***Specifications*** | ***Result*** | ***Test Methods*** |
|---|---|---|---|
| **Active Ingredients** | | | |
| Extract Ratio | 10:1 | Conforms | TLC |
| **Physical & Chemical Data** | | | |
| Appearance | Yellow Brown 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 % | 3.23% | 105℃/2 hrs |
| Total Ash | ≤5.0 % | 3.15% | GB 5009.6 |
| Bulk Density | 40~60g/100mL | 52.8 g/100mL | GB/T 18798.5 |
| Tap Density | 50~80g/100mL | 65.3 g/100mL | GB/T 18798.5 |
| **Contaminants** | | | |
| Lead (Pb) | <3.0mg/kg | Conforms | ICP-MS |
| Arsenic (As) | <2.0mg/kg | Conforms | ICP-MS |
| Cadmium (Cd) | <1.0mg/kg | Conforms | ICP-MS |
| Mercury (Hg) | <0.1mg/kg | Conforms | ICP-MS |
| **Microbiological** | | | |
| Total Aerobic Count | ≤ 1000cfu/g | 180cfu/g | GB 4789.2 |
| Yeast & Moulds | ≤ 100cfu/g | 45cfu/g | GB 4789.15 |
| E-Coli | Negative | Conforms | GB 4789.3 |
| Salmonella | Negative | Conforms | GB 4789.4 |
| Staphylococcus Aureus | Negative | Conforms | GB 4789.10 |

| **Conclusion** | |
|---|---|
| Conclusion | To be complied with in-house Specification |
| Shelf Life | 3 years when properly stored. |
| 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: Checker: Approved: