

Joe Aitken  
Compliance Director  
Phone: 855-999-0444



Wholesale Botanics  
10227 Southard Dr,  
Beltsville, MD 20705

## Wholesale Botanics, Inc.

**SUPPLIER NAME:** WHOLESALE BOTANICS, INC  
**EMAIL:** compliance@wholesalebotanics.com  
**PRODUCT NAME:** Neem Oil  
**MANUFACTURE DATE:** 04/15/2025  
**LOT NUMBER:** IBD04152025

### CERTIFICATE OF ANALYSIS

#### Analytical Data

|                          |                    |                               |                                       |
|--------------------------|--------------------|-------------------------------|---------------------------------------|
| <b>Botanical Name</b>    | Azadirachta indica | <b>Criterion of Detection</b> | Pharmacopoeia                         |
| <b>Parts Used</b>        | Seed               | <b>Batch Number</b>           | NEEIBAAIINC003A                       |
|                          |                    | <b>Expiry Date</b>            | 04/15/2028                            |
| <b>Extraction Method</b> | Cold Pressed       | <b>Ingredients</b>            | Azadirachta indica<br>(Neem) Seed Oil |

| Item                  | Result   | Standard                      |
|-----------------------|----------|-------------------------------|
| Appearance            | Complies | Reddish to gold yellow liquid |
| Smell                 | Complies | Unique aroma of neem          |
| 25°C Relative Density | 0.943    | 0.910 - 0.960                 |
| 20°C Refractive Index | 1.476    | 1.460 - 1.480                 |

## Additional Data

| Item                       | Result  | Standard    |
|----------------------------|---------|-------------|
| Saponification Value       | 191     | 180 - 205   |
| Iodine Value               | 76      | 65 - 80     |
| Peroxide Value             | 7.82    | NMT 10      |
| Acid Value                 | 13.19   | NMT 15      |
| Moisture                   | 0.22%   | NMT 1.0%    |
| Azadirachtin (A+B) content | 338 PPM | NLT 300 PPM |