



## CERTIFICATE of ANALYSIS (COA)

|                    |                                                |
|--------------------|------------------------------------------------|
| COMMON NAME        | Almond, Bitter                                 |
| LATIN NAME         | <i>Prunus armeniaca</i> L.                     |
| COUNTRY OF ORIGIN  | Morocco                                        |
| CULTIVATION METHOD | Conventional                                   |
| TYPE               | Essential Oil                                  |
| EXTRACTION METHOD  | Hydrodistilled, FFPA (Free From Prussic Acid). |
| PLANT PART         | Nut/Kernel                                     |
| USE                | Natural Perfumery                              |

|                    |          |
|--------------------|----------|
| SKU                | 59       |
| LOT #              | 26       |
| MANUFACTURING DATE | May 2025 |
| BEST BY DATE       | May 2028 |

|                        |                               |       |
|------------------------|-------------------------------|-------|
|                        | <b>SPECIFICATIONS (Range)</b> |       |
| SPECIFIC GRAVITY @20°C | 1.030 – 1.055                 | 1.046 |
| REFRACTIVE INDEX @20°C | 1.530 – 1.555                 | 1.543 |
| OPTICAL ROTATION @20°C | -2 to +2°                     | na    |

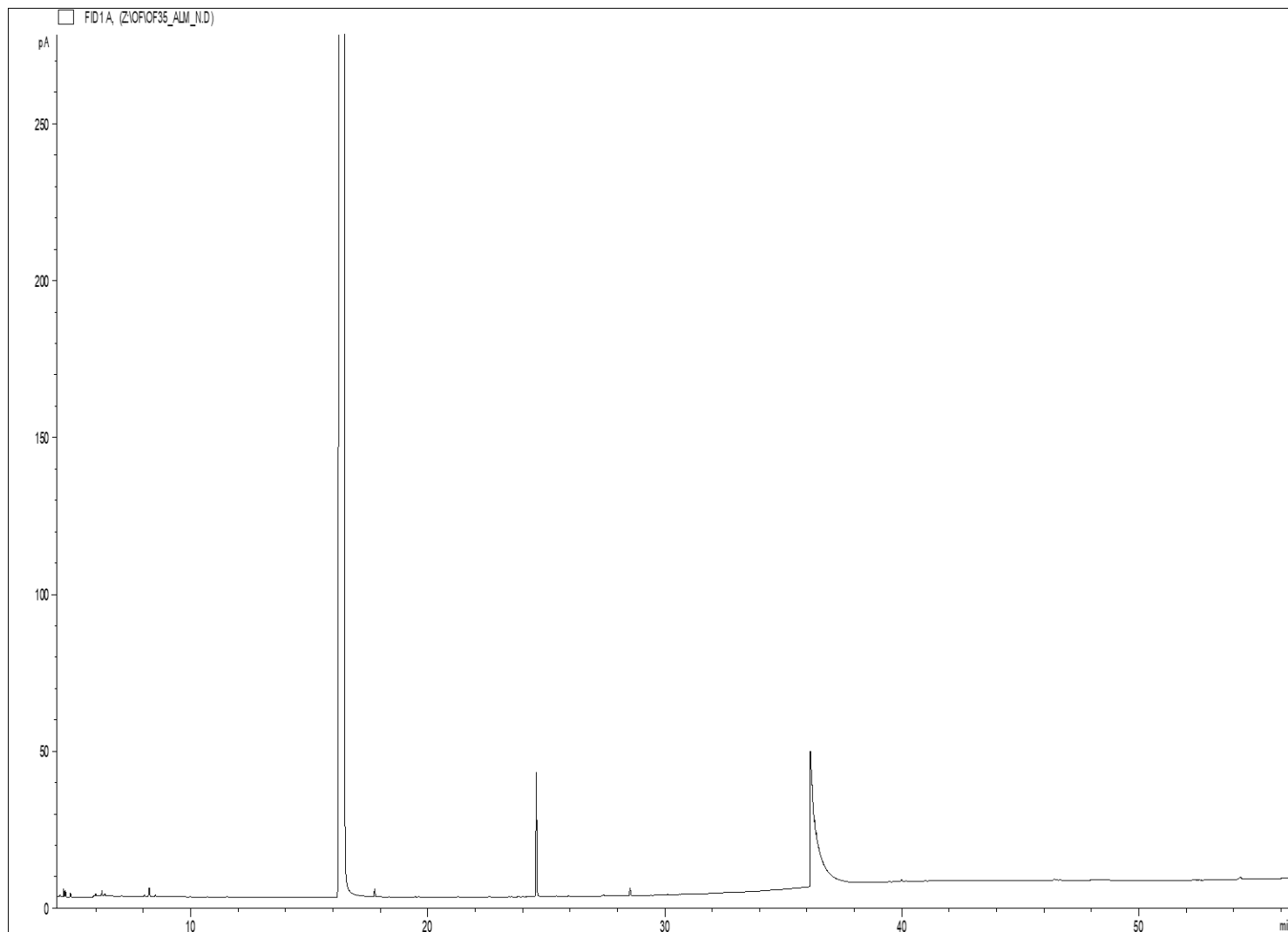
|                          |                                                       |                 |
|--------------------------|-------------------------------------------------------|-----------------|
| PHYSICAL APPEARANCE      | Transparent liquid                                    | <i>Conforms</i> |
| COLOR                    | Colorless to pale yellow                              | <i>Conforms</i> |
| ODOR                     | Sweet, nutty, intense marzipan aroma.                 | <i>Conforms</i> |
| SOLUBILITY               | Soluble in alcohol and fixed oils                     |                 |
| SPECIAL USE INSTRUCTIONS | Dilute before use. Refrigerate to preserve freshness. |                 |

|                      |                      |
|----------------------|----------------------|
| PRIMARY CONSTITUENTS | Benzaldehyde (≥ 97%) |
|----------------------|----------------------|

|          |                           |
|----------|---------------------------|
| COMMENTS | Odor quality is excellent |
|----------|---------------------------|

## GCMS ANALYSIS

CHROMATOGRAPHIC PROFILE:



- ALMOND BITTER EO - SKU 59 LOT 26 -

| Peaks | RT (min) | Compound name       | %            | Standard (%) | Allergens (%) |
|-------|----------|---------------------|--------------|--------------|---------------|
| 1     | 4.64     | ISOPROPANOL         | 0.01         |              |               |
| 2     | 4.71     | ISOVALERALDEHYDE    | 0.01         |              |               |
| 3     | 8.25     | ISOAMYLIC ALCOHOL   | 0.02         |              |               |
| 4     | 16.47    | <b>BENZALDEHYDE</b> | <b>97.29</b> |              | 97.29         |
| 5     | 17.76    | AROMATIC COMPOUND   | 0.02         |              |               |
| 6     | 24.58    | BENZYL ALCOHOL      | 0.30         |              | 0.30          |
| 7     | 28.54    | CINNAMALDEHYDE      | 0.02         |              |               |
| 8     | 36.15    | BENZOIC ACID        | 2.31         |              |               |
|       |          | <b>TOTAL</b>        | <b>99.99</b> |              | <b>97.59</b>  |

This Essential Oil is a 100% pure and natural product. It does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge. The analysis and statements herein constitute the most complete information available to Eden Botanicals. This product is guaranteed by Eden Botanicals to be of excellent quality.

Eden Botanicals

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