

CERTIFICATE OF ANALYSIS

ALDEHYDE C-11

Product Name: Aldehyde C-11 / Aldehyde C-11 Undecylenic

Chemical Name: 10-Undecenal

CAS No.: 112-45-8

Molecular Formula: C₁₁H₂₀O

Molecular Weight: 168.28 g/mol

Product Type: Aroma Chemical / Fragrance Ingredient

Grade: Perfumery / Cosmetic Grade

Batch/Lot No.: BPCAC11AC112026

Retest/Expiry Date: November 2031

Country of Origin: India

Test Item	Specification	Test Result
Appearance	Colorless to pale-yellow liquid	Conforms
Odor	Strong, fresh, aldehydic, citrusy, green and waxy	Conforms
Identification	Conforms to reference standard	Conforms
Assay / Purity	≥ 98.0%	98.7%
Specific Gravity @ 25°C	0.840–0.860	0.851
Refractive Index @ 20°C	1.440–1.455	1.448
Acid Value	≤ 2.0 mg KOH/g	0.62 mg KOH/g
Moisture	≤ 0.50%	0.14%
Color	Colorless to pale yellow	Conforms
Solubility in Water	Practically insoluble	Conforms
Solubility in Alcohol	Soluble	Conforms
Odor Evaluation	Fresh, citrusy, green, aldehydic and waxy	Conforms

Odor Profile: Fresh • Citrusy • Green • Aldehydic • Clean • Waxy • Slightly Floral

This product is a 100% pure and natural. 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 botanic Planet. Please refer to all relevant technical information specific to the product, prior to use. This information contained in this material safety Data sheet is obtained from current and reliable sources. As an ordinary or otherwise user(s) of this product is outside the control of Botanic Planet Canada Inc., no representation or warranty, expressed or implied is made as to the effect(s) of such use (s) (including damages or injury) or any obtained. Botanic Planet Canada Inc. expressly disclaims responsibility as to the ordinary or otherwise uses. Furthermore Botanic Planet Canada Inc. makes no claims as to the fitness for any use, and you should consider nothing container herein as a recommendation. The Liability of botanic Planet Canada Inc. is limited to the value of the goods and does not include any consequential loss. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario Canada.

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