



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT INFORMATION

Product Information	Details
Product Name	Mate Absolute Pure
Botanical Name	<i>Ilex paraguariensis</i> A.St.-Hil.
INCI Name	Ilex Paraguariensis Leaf Extract
CAS Number	68916-96-1
Alternative CAS Number	73296-98-7
EC Number	277-364-4
Plant Part	Dried Leaves
Extraction Method	Solvent Extraction
Country of Manufacture	Italy
Product Type	Natural Botanical Absolute
Batch Number	MAT-260721

CAS 68916-96-1 and 73296-98-7 are both used commercially for Mate Absolute (*Ilex paraguariensis* extract).

Organoleptic Properties

Test	Specification	Result
Appearance	Dark green viscous paste / semi-solid	Conforms
Colour	Dark green to brown	Conforms
Odour	Rich green tea, herbaceous, hay, tobacco, woody	Conforms
Foreign Matter	None visible	Conforms

Physico-Chemical Properties

Test	Specification	Result
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Relative Density (20 °C)	0.980–1.050	1.012
Refractive Index (20 °C)	1.495–1.535	1.516
Solubility	Soluble in ethanol, insoluble in water	Conforms
Flash Point	>100 °C (Typical)	Conforms
Acid Value	≤15 mg KOH/g	7.2 mg KOH/g
Residual Solvent	Within Specification	Conforms
GC Profile	Matches Reference Standard	Conforms

Typical Natural Constituents

- Chlorogenic acids
- Polyphenols
- Flavonoids
- Caffeine
- Theobromine
- Plant waxes
- Volatile aromatic compounds

Natural variation occurs according to harvest, origin and extraction process.

Storage

Store tightly closed in a cool, dry location protected from sunlight.

Recommended storage temperature: 15–25 °C.

Conclusion

This batch complies with the internal quality specifications of Aromology Trading LLC for Mate Absolute Pure – Italy and is suitable for professional fragrance and cosmetic manufacture.

Authorised by

Fozia Khot
Director