



GALILEO

ESSENTIAL OILS & MORE

ALOE VERA GEL

Specifications



General Specification

Product Name	Aloe Vera Gel Leaf (Egyptian – Galileo)
Botanical Name	Aloe Barbadensis Miller
Botanical Family	Asphodelaceae
Description	Gel Obtained from Inner Leaf Fillet of Aloe Barbadensis Miller - Food Supplement Grade
Status	Organic
Manufacturer	GMSTRADE
Harvest Season	Year-round

Physical Specification

Parameter	Requirement	Test Method
Appearance	Clear to slightly opaque viscous gel	Visual
Odor	Characteristic mild aloe scent	Organoleptic
Taste	Bitter – Slightly Sour – Vegetal	Organoleptic
Solubility	Water – Soluble	Qualitative Solubility
Viscosity	High gel (5,000 – 15,000 Cp)	Spindle
Refractive Index	1.333 – 1.340	Refractometer

Chemical Specification

Parameter	Requirement %	Test Method
Aloin (IASC standard)	0.001	HPLC
Polysaccharides Acemannan	≥ 5	HPLC
1X Inner Leaf Juice (1st Option)	≥ 0.46	Gravimetric
10X (2ND Option)	≥ 4.6%	Gravimetric
pH	3.5 – 5 (Acidic for stability & skin compatibility)	pH Meter

Preservatives Maximum Permitted Leve (EU Food Additive Regulation)

Parameter	Requirement %	Test Method
Potassium Sorbate	0.1	HPLC
Sodium Benzoate	0.05 – 0.1	HPLC
Citric Acid	0.1 – 0.12	HPLC
Vitamin C Ascorbic Acid (Vitamin C)	As needed	HPLC
Tocopherol (Vitamin E)	As needed	HPLC

Key Applications & Benefits

Property	Usage	Advantage
Primary Profile	Hydration - Soothing - Protection	Clean-label, plant-based & highly versatile
Skin Care Profile	Deep hydration - Anti-aging Acne care & support for sensitive skin	Suitable for all skin types - Visible results
Hair Care Profile	Nourishes scalp - Reduces irritation - strengthens hair roots	Boosts scalp health for hair vitality & shine

