

ASES CHEMICAL WORKS

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CERTIFICATE OF ANALYSIS

1. Name of the Product	Squalane (Olive Base)
2. INCI Name	Olive Phytosqualane
3. CAS Number	111-01-3
4. Batch No & Mfg. Date	As mentioned on Label
5. Date Of Exp	3 Years From MFG Date
6. Date of Analysis	June-2024

Properties	Specifications	Results
Appearance	Almost colorless	Conforms
Odour	Almost odorless	Conforms
Refractive Index	1.480 - 1.498 @ 20°C	1.486
Specific Gravity (g/mL)	0.840 - 0.870 @ 20°C	0.855
Peroxide Value (meq O ₂ /kg)	Less than 2.0	Conforms
Squalane Content	> 99.1%	Conforms
Moisture (%)	Maximum 0.1	Conforms
Solubility	Soluble in cosmetic esters and fixed oils; Insoluble in water	Conforms

Microbial Analysis	Specifications	Results
Aerobic Mesophilic Bacterial Count	< 100 CFU/g	Conforms
Yeast and Mould	< 10 CFU/g	Conforms
Candida albicans	Absent / 1g	Conforms
Escherichia coli	Absent / 1g	Conforms
Pseudomonas aeruginosa	Absent / 1g	Conforms
Staphylococcus aureus	Absent / 1g	Conforms

Heavy Metal Tests	Specifications	Results
Lead: Pb (mg/kg or ppm)	< 10 ppm	Conforms
Arsenic: As (mg/kg or ppm)	< 2 ppm	Conforms
Mercury: Hg (mg/kg or ppm)	< 1 ppm	Conforms