



## Certificate of Analysis

Product Name	Squalane		
INCI Name:	SQUALANE		
CAS	111-01-3		
MF	C30H62		
EINECS	203-825-6		
Batch Number	20260609	Manufacture Date	20260609
Report Date	20260609		

Items Tested	Specifications	Results	Test Method
<b>Physical and Chemical Analysis</b>			
Appearance	Colorless transparent viscous oily liquid	Complies	Organoleptic examination
Kinematic Viscosity	10.00-20.00 37.8°C mm <sup>2</sup> /s	15.35 37.8°C mm <sup>2</sup> /s	Capillary Viscometry
Color	10max APHA	5 APHA	Visual APHA Scale
Specific Gravity	0.835-0.890 20/20°C	0.840 20/20°C	ASTM D4052
Acid value	0.01max mgKOH/g	0.01max mgKOH/g	USP <401>
Refractive index	1.455-1.475 N20/D	1.460 N20/D	USP <831>
<b>Physical Characteristics</b>			
Loss on Drying	≤ 5.00%	3.64%	USP <731> / Ph.Eur. 2.2.32
Total ash	≤ 5.00%	2.84%	USP<561>
<b>Heavy Metals (ICP-MS)</b>			
Lead (Pb)	≤ 10 ppm	<0.5 ppm	ICP-MS
Arsenic (As)	≤ 2 ppm	<0.1 ppm	ICP-MS
Cadmium (Cd)	≤ 1 ppm	<0.1 ppm	ICP-MS
Mercury (Hg)	≤ 1 ppm	<0.05 ppm	ICP-MS
<b>Microbial Limits</b>			
Total Aerobic Microbial Count	≤ 1000 CFU/g	<10 CFU/g	USP <61> / Ph. Eur. 2.6.12
Total Yeast and Mold Count	≤ 100 CFU/g	<10 CFU/g	USP <61> / Ph. Eur. 2.6.12
E. coli	Absent in 1g	Absent	USP <62> / Ph. Eur. 2.6.13
Salmonella spp.	Absent in 10g	Absent	USP <62> / Ph. Eur. 2.6.13
Pseudomonas aeruginosa	Absent in 1g	Absent	USP <62> / Ph. Eur. 2.6.13

Quality Statement: This product is manufactured under a quality system compliant with cGMP principles for both food and cosmetic applications. Specifications and test methods are established with reference to the relevant ISO Standards, Chinese National Standards (GB), United States Pharmacopeia (USP), and European Pharmacopoeia (Ph. Eur.).

For cosmetic use, the batch fully complies with the requirements of EU Cosmetic Regulation (EC) No 1223/2009, China's Safety Technical Standards for Cosmetics (2015 Edition), and U.S. FDA cosmetic GMP guidelines. For food use, the batch meets the applicable requirements of China's national food safety standards (including GB 2762, GB 2763, GB 7101) and the U.S. FDA Food Safety Modernization Act (FSMA) and applicable food additive regulations.

Storage: Store in tight, light-resistant containers. Avoid exposure to direct sunlight, moisture, and excessive heat.

Shelf Life: 24 months if stored under the above conditions and remains in original packaging.

