

TEST REPORT
PRODUCT QUALITY ASSESSMENT

Report No. DPL-AK-FMCG-09-26-01
Client K&R Group
Product Al-Kahf Hair Oil
Product Category Hair Oil / Cosmetic Product
Declared Net Volume 120 mL
Measured Net Volume 121 mL
Sample ID AK-01
Date Received 04-09-2026
Date Issued 09-09-2026
Sample Photographs

Product:



TEST RESULTS

Sr. No.	Parameter	Method / Technique	Result	Unit	Assessment
1	Appearance	Visual Examination	Clear, homogeneous amber-brown oily liquid; no visible foreign matter or phase separation	—	PASS
2	Colour	Visual Comparison	Amber-brown	—	PASS
3	Odour	Organoleptic Examination	Characteristic oily/herbal odour; no abnormal/rancid odour detected	—	PASS
4	Specific Gravity	Pycnometer Method	0.907	—	PASS
5	Flow Time	Fixed-Path Flow / Stopwatch	19.5	s	PASS
6	Acid Value	Titrimetric Method	3.42	mg KOH/g	PASS
7	Peroxide Value	Iodometric Titration	2.86	meq O ₂ /kg	PASS
8	Saponification Value	Reflux & Titration	188.6	mg KOH/g	PASS
9	Iodine Value	Titrimetric Method	78.4	g I ₂ /100 g	PASS
10	Moisture / Volatile Matter	Oven Loss-on-Drying	0.18	%	PASS
11	Net Volume	Gravimetric / Density-Based	121	mL	PASS
12	Microscopic Examination	Direct Microscopic Examination	No visible bacteria or other microorganisms observed	—	PASS
13	pH	pH Measurement	5.1	pH units	PASS

TECHNICAL ASSESSMENT

The submitted **Al-Kahf Hair Oil** sample demonstrated satisfactory physical, organoleptic and physicochemical characteristics under the applied laboratory assessment conditions. The sample was clear and homogeneous, with characteristic odour and no visible foreign matter or phase separation. The measured physicochemical characteristics and net volume were assessed as satisfactory, while microscopic examination showed no visible microorganisms in the examined fields.

Overall Assessment: SATISFACTORY

Overall Result: PASS

REMARKS

- Results apply only to the **sample submitted and parameters examined**.
- Microscopic examination is a screening observation and does not constitute validated microbiological enumeration or sterility testing.
- Flow time is reported in seconds and is not equivalent to absolute viscosity unless determined by a calibrated viscosity method.
- Loss on Drying represents volatile/mass loss under the applied conditions and is not necessarily specific water content.
- pH interpretation for an oil-based product depends on the sample preparation used.
- This report does not constitute product efficacy, shelf-life, batch-wide conformity, or regulatory approval.

AUTHORIZATION

Analysed By
Chemist



Reviewed By
Sr. Chemist



Approved By
Lab. Head



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— END OF TEST REPORT —

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