CERTIFICATE OF ANALYSIS

PERFUMERY & FRAGRANCE GRADE QUALITY ASSURANCE

PRODUCT NAME
Alkemist SDA 40B (200 PROOF)

BATCH / LOT NUMBER
ALK-2511-15-B

DESCRIPTION
Specially Denatured Solvent 40B (Absolute Anhydrous)

CONCENTRATION STANDARD
99.8% - 100.0% v/v (200 Proof)

MANUFACTURER
Alkemist Pakistan | Middle East

COUNTRY OF ORIGIN
Germany

MANUFACTURING DATE
NOV 2025

EXPIRATION / RETEST DATE
NOV 2032

ANALYTICAL RESULTS

Test Parameter	Method	Specification	Result	Status
Appearance	Visual	Clear, colorless liquid	**Clear, Colorless**	**PASS**
Odor	Organoleptic	Neutral, Clean Solvent (Substantially Odorless Base)	**Conforms**	**PASS**
Solvent Assay (v/v)	GC	99.8% - 100.0%	**99.92%**	**PASS**
Specific Gravity @ 20°C	Hydrometer	0.7900 - 0.7930	**0.7915**	**PASS**
Water Content	Karl Fischer	≤ 0.20%	**0.08%**	**PASS**
Acidity (as Acetic Acid)	Titration	≤ 0.002%	**0.0005%**	**PASS**
Non-Volatile Residue	Gravimetric	≤ 1.5 mg/100ml	**< 0.5 mg**	**PASS**
Permanganate Time Test	ASTM D1363	≥ 45 Minutes	**> 50 Min**	**PASS**
Fusel Oils & Foreign Odors	GC / Sensory	Absent / Pass Fine Fragrance Test	**Conforms**	**PASS**

DENATURANT FORMULATION (SDA 40B)

Ingredient	Target Concentration	Found / Status
Tert-Butyl Alcohol (TBA)	0.125% v/v (approx)	**Conforms**
Denatonium Benzoate (Bitrex)	6.0 - 10.0 ppm (approx)	**Conforms**

Conclusion: This material meets the stringent specifications for Specially Denatured Solvent 40B (Perfumery Grade **200 PROOF** / Absolute) as per international fine fragrance standards. It is completely anhydrous and optimized for premium perfume, high-end cosmetics, and specialized aroma formulation.

SAFETY & USAGE DISCLAIMER

NON-POTABLE / FOR INDUSTRIAL FORMULATION ONLY

This product is manufactured strictly for external use in perfume, fine fragrance, and cosmetic manufacturing. **NOT FOR DRINKING OR HUMAN CONSUMPTION.** Ingestion is severely dangerous, highly toxic, and potentially fatal.

حفاظتی انتباہ

غیر پینے کے قابل / صرف صنعتی فارمولیشن کے لیے:

یہ پروڈکٹ صرف پرفیوم عطر اور کاسمیٹک کی تیاری اور مینوفیکچرنگ کے لیے ہے۔ یہ انسانوں کے پینے یا استعمال کے لیے ہرگز نہیں ہے۔ اس کا نادانستہ استعمال یا پینا زہریلا انتہائی خطرناک اور جان لیوا ثابت ہو سکتا ہے۔

M. Adeel

M. Adeel
Quality Control Manager
Date: NOV 2025

Dr. A. Rahman

Dr. A. Rahman
Lab Director / Approved By
Date: NOV 2025

SCAN FOR AUTHENTICATION

This Certificate of Analysis was created electronically and is valid without a handwritten signature. The values presented are based on analysis of the specific batch mentioned above. Handling of this product should be in accordance with the Safety Data Sheet (SDS).

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