



CERTIFICATE OF ANALYSIS

TSDA PERFUME ETHANOL

High-Grade Cosmetic & Perfumery Solvent Solution

1. Product & Batch Identification

Batch & Production Data	
PRODUCT NAME:	TSDA PERFUME ETHANOL
BATCH / LOT NUMBER:	ALK-TSDA-2026-0819
CAS NUMBER:	64-17-5 (Ethanol Base)
GRADE / SPECIFICATION:	Cosmetic Perfumery Grade

Dates & Quantity	
MANUFACTURING DATE:	19 AUGUST 2026
EXPIRATION / RE-TEST:	18 August 2028
BATCH QUANTITY:	5,000 Litres (Bulk Drummed)
QC APPROVAL STATUS:	PASSED

2. Analytical Test Parameters & Quality Specifications

TEST PARAMETER	SPECIFICATION RANGE	OBSERVED TEST RESULT	TEST METHOD / STANDARD
APPEARANCE	Clear, Colourless Liquid	Clear, Colourless Liquid	Visual Inspection @ 25°C
ODOUR	Characteristic alcoholic / neutral	Characteristic / Neutral	Organoleptic Evaluation
ETHANOL CONTENT (% V/V)	≥ 95.0% - ≤ 99.9%	99.50 % v/v	Gas Chromatography (GC-FID)
SPECIFIC GRAVITY (@ 20°C)	0.785 - 0.810	0.7902	Digital Density Meter (ASTM D4052)
PH (NEAT / DIRECT @ 25°C)	6.0 - 8.0	6.85	pH Meter (ASTM E70)
ACIDITY (AS ACETIC ACID)	≤ 0.003 % max	< 0.001 %	Titrimetric Analysis
NON-VOLATILE RESIDUE	≤ 0.002 % max	0.0008 %	Gravimetric Residue Test



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WATER CONTENT (% W/W)

≤ 0.50 % max

0.32 %

Karl Fischer Titration (ASTM E203)

3. Quality Control & Declaration

We hereby certify that the above-mentioned batch has been sampled and tested in accordance with standard analytical test procedures. The results recorded above comply fully with the finished-product quality requirements of Alkemist for perfumery and cosmetic applications.

Approved By:

Head of Quality Assurance (QC)

Signature: _____



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