

# Alpha Resources, Inc. Certificate Of Analysis

AR-2074  
KEROSENE ULTIMATE  
LOT # 074513      LID ID 074513

ASTM METHOD	TEST	RESULTS
D 4052	API	40.2
D 482	Ash (wt.%)	<0.002
10% distillation residue D 4530	Carbon Residue (wt.%)	<0.1
D 976	Cetane Index	44.3
D 2500/D 5771	Cloud Point (°C)	-48
D 97/D 5950	Pour Point (°C)	-53
D 2624	Conductivity pS/m	717-1037
D 5453	Sulfur	6mg/kg
D 445	Viscosity (40 °C)	1.69
D 93a	Flash Point (°C)	59
D 86      DISTILLATION (°C)		
	IBP      187      50%      224	FBP      273
	5%      199      60%      229	%REC      98.1
	10%      204      70%      235	%RES      1.1
	20%      210      80%      242	%LOSS      0.8
	30%      215      90%      252	
	40%      219      95%      262	

**Notes:**

This bottle contains 500ml of colorless kerosene distillate to be used as per your test method. Kept sealed and unopened this product has an indefinite shelf life. Once opened this certificate is valid for two years. Keep sealed and stored under normal laboratory conditions, minimizing any exposure to air or light. The material used in production of this standard was sampled in accordance with ARI 032. The samples for round robin testing were selected in accordance with ARI 014. The above values relate only to the material used to produce this standard. This was produced in accordance to ISO Guide 34-2009.

Remedies for any claimed defect in this product will be limited to product replacement or refund of the purchase price. In no event shall Alpha Resources be liable for incidental or consequential damages.

This is a Certified Reference (RM), and is verified using the above-mentioned test method(s). For good laboratory practice it is recommended that all standards be verified prior to use.

**EXPIRATION DATE**  
**THIS RM IS VALID FOR TWO YEARS FROM THE DATE OF OPENING**

Certified July 19, 2013



Kent Dyer, Technical Manager