

Alpha Resources, Inc. Certificate Of Analysis

REVISED CERTIFICATION DATE: OCTOBER 5, 1998

AR 100

RESIDUAL OIL STANDARD

LOT #1621		LID ID 1621	
Weight Percent Carbon...	87.28	Weight Percent Sulfur	1.00
Standard Deviation.....	1.09	Standard Deviation....	0.01
Weight Percent Hydrogen	11.49	Gross BTU/Pound.....	19,141
Standard Deviation.....	0.20	Standard Deviation....	68
Weight Percent Nitrogen..	0.193		
Standard Deviation.....	0.009		

The certified mean values were statistically derived from the values reported to Alpha Resources through Round Robin.

Methods

Carbon	ASTM D 5291
Hydrogen	ASTM D 5291
Nitrogen	ASTM D 4629
Sulfur	ASTM D 3277 & D 4294
BTU	ASTM D 240

Notes:

Before use, the contents of the bottle should be mixed through vigorous shaking. The contents should not be exposed to air for a lengthy period of time.

The statistical analysis of the certification was performed by D.M. Reasons at Alpha Resources.

The overall direction and coordination of the analytical measurements leading to certification were performed by D.M. Reasons at Alpha Resources.

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.

EXPIRATION DATE
THIS CRM IS VALID FOR TWO YEARS FROM THE DATE OF PURCHASE WHICH
APPEARS ON THE BOTTLE



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