

# Alpha Resources, Inc.

## Certificate Of Analysis

CRUDE OIL

EKOFISK NORTH SEA

AR2071 AND AR2071S

LOT #: EKO711192

ASTM METHOD	TEST	RESULTS
D 1298	API	39.75
D 4294	SULFUR (wt%)	0.175
D 808	TOTAL CHLORIDES(ppm)	0.18
D 4929	ORGANIC CHLORIDE(ppm)	< 1.0
D 4629	NITROGEN (ppm )	749.90
D 3606	BENZENE (wt.%)	0.37
D 3230	SALT (ptb)	2.53

ONE OR MORE OF THE FOLLOWING METHODS WERE USED:  
(D 4951, 5105, 3605, IP 288)

Fe ppm	4.33
Ni ppm	2.24
Si ppm	1.05
V ppm	1.91
Cu ppm	0.1
Na ppm	5.76

### 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.

Normal ASTM procedures should be employed when using this standard. This includes using the reproducibility and repeatability factors. Use the reproducibility factor when establishing the first set of data, and then establish an internal repeatability factor as your guideline.

The statistical analysis, and overall coordination leading to certification, was 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 OPENING



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