



# C30+ COMPOSITIONAL ANALYSIS

B1A0114:BW0231

MaxxID		Client ID		Meter Number		Laboratory Number	
CRUDE QUALITY INC.							
Operator Name				LSD		Well ID	
CRUDE QUALITY INC. MINI ASSAY						MAXXAM ANALYTICS	
Well Name				Initials of Sampler		Sampling Company	
				HSB NAPHTHA IBP - 190°C		4L CAN	
Field or Area		Pool or Zone		Sample Point		Container Identity	
						Percent Full	
Test Recovery		Interval		Elevations (m)		Sample Gathering Point	
		From: To:		KB GRD		Solution Gas	
Test Type		No. Multiple Recovery		Well Fluid Status		Well Status Mode	
Production Rates		Gauge Pressures kPa		Temperature °C		Well Status Type	
Water m3/d Oil m3/d Gas 1000m3/d		Source As Received		22		Well Type	
				Source As Received		Licence No.	
						Gas or Condensate Project	
Date Sampled Start		Date Sampled End		Date Received		Date Reported	
				2011/10/19		2011/10/31	
						2011/11/01	
						FA1	
						Analyst	

COMPOSITION			
COMPONENT	MOLE FRACTION	MASS FRACTION	VOLUME FRACTION
N2			
CO2			
H2S			
C1	0.0000	0.0000	0.0000
C2	Trace	Trace	Trace
C3	0.0263	0.0115	0.0159
IC4	0.0317	0.0182	0.0227
NC4	0.1448	0.0836	0.1002
IC5	0.0371	0.0265	0.0298
NC5	0.0613	0.0439	0.0487
C6	0.0984	0.0841	0.0882
C7+	0.6004	0.7322	0.6945
TOTAL	1.0000	1.0000	1.0000

PROPERTIES						
RESIDUE	RELATIVE DENSITY @ 15 °C		RELATIVE MOLECULAR MASS		DATA SUMMARY	
	OBSERVED	CALCULATED	OBSERVED	CALCULATED	MOLE FRACTION	MASS FRACTION
C5+		0.722		112	0.7972	0.8867
C6+		0.731		118	0.6988	0.8163
C7+	0.739		123	123	0.6004	0.7322
C10+					0.1956	0.2878
C12+					0.0118	0.0200
TOTAL		0.701		101		

Calculated Absolute Density Total Sample: 700.4 kg/m3 @ 15°C  
 Gas Equivalent Factor: 164.14 m3 Gas/m3 Liquid

\*\* Information not supplied by client -- data derived from LSD information Results relate only to items tested

Remarks:  
**Too volatile to perform density.**



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CRUDE QUALITY INC.

B1A0114:BW0231

Operator Name

Laboratory Number

CRUDE QUALITY INC. MINI ASSAY

HSB NAPHTHA IBP - 190°C

Well Name

Sample Point

MAXXAM ANALYTICS

Sampling Company

MaxxD

Client ID

2011/10/19

2011/10/31

2011/11/01

FA1

Date Sampled Start

Date Sampled End

Date Received

Date Reported

Date Reissued

Analyst

COMPONENT	BOILING POINT (°C)	MOLE FRACTION	MASS FRACTION	VOLUME FRACTION
Nitrogen	-196			
Carbon Dioxide	-79			
Hydrogen Sulphide	-60			
Methane	-162	0.0000	0.0000	0.0000
Ethane	-89	Trace	Trace	Trace
Propane	-42	0.0263	0.0115	0.0159
Iso-Butane	-12	0.0317	0.0182	0.0227
n-Butane	0	0.1448	0.0836	0.1002
Iso-Pentane	28	0.0371	0.0265	0.0298
n-Pentane	36	0.0613	0.0439	0.0487
Hexanes	37-69	0.0984	0.0841	0.0882
Heptanes	70-98	0.1274	0.1214	0.1209
Octanes	99-126	0.1434	0.1564	0.1514
Nonanes	127-151	0.1340	0.1666	0.1589
Decanes	152-174	0.1138	0.1593	0.1504
Undecanes	175-196	0.0700	0.1085	0.0956
Dodecanes	197-216	0.0116	0.0195	0.0169
Triadecanes	217-236	0.0002	0.0004	0.0003
Tetradecanes	237-253	Trace	Trace	Trace
Pentadecanes	254-271	Trace	Trace	Trace
Hexadecanes	272-287	Trace	Trace	Trace
Heptadecanes	288-302	Trace	Trace	Trace
Octadecanes	303-317	Trace	Trace	Trace
NonaDecanes	318-331	Trace	Trace	Trace
Eicosanes	332-343	Trace	Trace	Trace
Heneicosanes	344-357	Trace	Trace	Trace
Docosanes	358-369	Trace	Trace	Trace
Triacosanes	370-380	Trace	Trace	Trace
Tetracosanes	381-391	Trace	Trace	Trace
Pentacosanes	392-402	Trace	Trace	Trace
Hexacosanes	403-412	Trace	Trace	Trace
Heptacosanes	413-422	Trace	Trace	Trace
Octacosanes	423-432	Trace	Trace	Trace
Nonacosanes	433-441	Trace	0.0001	0.0001
triacontanes+	442-449+	Trace	Trace	Trace
Totals		1.0000	1.0000	1.0000
neoHexane	50	0.0000	0.0000	0.0000
Methylcyclopentane	70	0.0191	0.0159	0.0148
Benzene	80	0.0001	0.0001	0.0001
Cyclohexane	81	0.0133	0.0111	0.0099
Methylcyclohexane	101	0.0269	0.0262	0.0237
Toluene	111	0.0079	0.0072	0.0058
Ethylbenzene	136	0.0061	0.0065	0.0052
m&p-Xylene	139	0.0044	0.0047	0.0038
o-Xylene	144	0.0075	0.0078	0.0062
1,2,4-Trimethylbenzene	169	0.0086	0.0106	0.0084

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Remarks:

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