



C30+ COMPOSITIONAL ANALYSIS

B126876:AH7717

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	
				SYN NAPHTHA IBP-190°C		GLASS	
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		21		Well Type	
				Source As Received		Gas or Condensate Project	
						Licence No.	
Date Sampled Start		Date Sampled End		Date Received		Date Reported	
				2011/04/06		2011/05/02	
						NG	
Date Reissued		Analyst					

COMPOSITION			
COMPONENT	MOLE FRACTION	MASS FRACTION	VOLUME FRACTION
N2			
CO2			
H2S			
C1	0.0000	0.0000	0.0000
C2	Trace	Trace	Trace
C3	0.0007	0.0003	0.0004
IC4	0.0205	0.0115	0.0146
NC4	0.0826	0.0462	0.0567
IC5	0.0465	0.0323	0.0370
NC5	0.0736	0.0512	0.0581
C6	0.1140	0.0946	0.1013
C7+	0.6621	0.7639	0.7319
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+		0.727		109	0.8962	0.9420
C6+		0.738		115	0.7761	0.8585
C7+	0.748		120	120	0.6621	0.7639
C10+					0.2082	0.2961
C12+					0.0088	0.0144
TOTAL		0.717		104		0.0128

Calculated Absolute Density Total Sample: 716.4 kg/m3 @ 15°C
 Gas Equivalent Factor: 162.74 m3 Gas/m3 Liquid

** Information not supplied by client -- data derived from LSD information

Results relate only to items tested

Remarks:

The Density and Molecular weight of C7+ are calculated.



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CRUDE QUALITY INC.

B126876:AH7717

Operator Name

Laboratory Number

CRUDE QUALITY INC. MINI ASSAY

SYN NAPHTHA IBP-190°C

Well Name

Sample Point

MAXXAM ANALYTICS

Sampling Company

MaxxD

Client ID

2011/04/06

2011/05/02

NG

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	0.0007	0.0003	0.0004
Iso-Butane	-12	0.0205	0.0115	0.0146
n-Butane	0	0.0826	0.0462	0.0567
Iso-Pentane	28	0.0465	0.0323	0.0370
n-Pentane	36	0.0736	0.0512	0.0581
Hexanes	37-69	0.1140	0.0946	0.1013
Heptanes	70-98	0.1572	0.1417	0.1415
Octanes	99-126	0.1614	0.1670	0.1622
Nonanes	127-151	0.1353	0.1591	0.1508
Decanes	152-174	0.1231	0.1667	0.1610
Undecanes	175-196	0.0763	0.1150	0.1036
Dodecanes	197-216	0.0087	0.0142	0.0126
Triadecanes	217-236	0.0001	0.0002	0.0002
Tetradecanes	237-253	Trace	Trace	Trace
Pentadecanes	254-271	Trace	Trace	Trace
Hexadecanes	272-287	Trace	Trace	Trace
Heptadecanes	288-302	0.0000	0.0000	0.0000
Octadecanes	303-317	0.0000	0.0000	0.0000
NonaDecanes	318-331	0.0000	0.0000	0.0000
Eicosanes	332-343	0.0000	0.0000	0.0000
Heneicosanes	344-357	0.0000	0.0000	0.0000
Docosanes	358-369	0.0000	0.0000	0.0000
Triacosanes	370-380	0.0000	0.0000	0.0000
Tetracosanes	381-391	0.0000	0.0000	0.0000
Pentacosanes	392-402	0.0000	0.0000	0.0000
Hexacosanes	403-412	0.0000	0.0000	0.0000
Heptacosanes	413-422	0.0000	0.0000	0.0000
Octacosanes	423-432	0.0000	0.0000	0.0000
Nonacosanes	433-441	0.0000	0.0000	0.0000
triacontanes+	442-449+	0.0000	0.0000	0.0000
Totals		1.0000	1.0000	1.0000
neoHexane	50	0.0000	0.0000	0.0000
Methylcyclopentane	70	0.0373	0.0303	0.0287
Benzene	80	0.0101	0.0076	0.0062
Cyclohexane	81	0.0149	0.0122	0.0111
Methylcyclohexane	101	0.0368	0.0349	0.0323
Toluene	111	0.0241	0.0214	0.0176
Ethylbenzene	136	0.0089	0.0092	0.0075
m&p-Xylene	139	0.0211	0.0216	0.0176
o-Xylene	144	0.0091	0.0093	0.0075
1,2,4-Trimethylbenzene	169	0.0117	0.0140	0.0114

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