



C30+ COMPOSITIONAL ANALYSIS

CONVENTIONAL HEAVY

B497125:KY9903

MaxID

Client ID

Meter Number

Laboratory Number

CRUDE QUALITY INC.

Operator Name

LSD

Well ID

CRUDE QUALITY INC. MINI ASSAY

C

MAXXAM ANALYTICS

Well Name

Initials of Sampler

Sampling Company

CHV 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

Solution Gas

Test Type

No.

Multiple Recovery

From:

To:

KB

GRD

Well Fluid Status

Well Status Mode

Production Rates

Gauge Pressures kPa

Temperature °C

Well Status Type

Well Type

Water m3/d

Oil m3/d

Gas 1000m3/d

Source

As Received

Source

As Received

Gas or Condensate Project

Licence No.

2014/10/27

2014/12/15

2014/12/15

GS1

Date Sampled Start

Date Sampled End

Date Received

Date Reported

Date Reissued

Analyst

COMPOSITION

COMPONENT	MOLE FRACTION	MASS FRACTION	VOLUME FRACTION
N2			
CO2			
H2S			
C1	0.0000	0.0000	0.0000
C2	0.0005	0.0001	0.0003
C3	0.0083	0.0040	0.0055
IC4	0.0412	0.0266	0.0324
NC4	0.1191	0.0768	0.0902
IC5	0.1385	0.1110	0.1218
NC5	0.1420	0.1140	0.1233
C6	0.1213	0.1162	0.1190
C7+	0.4291	0.5513	0.5075
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	VOLUME FRACTION
C5+		0.702		97	0.8309	0.8925	0.8716
C6+		0.731		109	0.5504	0.6675	0.6265
C7+	0.745		116	116	0.4291	0.5513	0.5075
C10+					0.1092	0.1789	0.1602
C12+					0.0040	0.0076	0.0064
TOTAL		0.685		90			

Calculated Absolute Density Total Sample:
Gas Equivalent Factor:

684.4 kg/m3 @ 15°C
179.51 m3 Gas/m3 Liquid

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

Results relate only to items tested

Remarks:



CRUDE QUALITY INC. C30+ COMPOSITIONAL ANALYSIS

CRUDE QUALITY INC.

B497125:KY9903

Operator Name

Laboratory Number

CRUDE QUALITY INC. MINI ASSAY

CHV NAPHTHA IBP - 190°C

Well Name

Sample Point

MAXXAM ANALYTICS

CONVENTIONAL HEAVY

Sampling Company

MaxxID

Client ID

Date Sampled Start

Date Sampled End

2014/10/27

Date Received

2014/12/15

Date Reported

2014/12/15

Date Reissued

GS1

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	0.0005	0.0001	0.0003
Propane	-42	0.0083	0.0040	0.0055
Iso-Butane	-12	0.0412	0.0266	0.0324
n-Butane	0	0.1191	0.0768	0.0902
Iso-Pentane	28	0.1385	0.1110	0.1218
n-Pentane	36	0.1420	0.1140	0.1233
Hexanes	37-69	0.1213	0.1162	0.1190
Heptanes	70-98	0.1279	0.1323	0.1261
Octanes	99-126	0.1168	0.1386	0.1291
Nonanes	127-151	0.0752	0.1015	0.0921
Decanes	152-174	0.0641	0.1001	0.0923
Undecanes	175-196	0.0411	0.0712	0.0615
Dodecanes	197-216	0.0039	0.0073	0.0062
Triadecanes	217-236	Trace	Trace	Trace
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	Trace	Trace
triacontanes+	442-449+	0.0001	0.0003	0.0002
Totals		1.0000	1.0000	1.0000
neoHexane	50	0.0000	0.0000	0.0000
Methylcyclopentane	70	0.0265	0.0247	0.0224
Benzene	80	0.0065	0.0056	0.0043
Cyclohexane	81	0.0205	0.0192	0.0168
Methylcyclohexane	101	0.0344	0.0375	0.0333
Toluene	111	0.0131	0.0133	0.0105
Ethylbenzene	136	0.0048	0.0056	0.0045
m&p-Xylene	139	0.0134	0.0159	0.0124
o-Xylene	144	0.0050	0.0060	0.0047
1,2,4-Trimethylbenzene	169	0.0061	0.0085	0.0066

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

Results relate only to items tested

Remarks: