



NATIONAL IRANIAN OIL COMPANY
RESEARCH INSTITUTE OF PETROLEUM INDUSTRY
CRUDE EVALUATION DEPARTMENT

MARUN KHAMI

TABLE 1: GENERAL DATA

SPECIFICATION	RESULT	TEST METHOD
SPECIFIC GRAVITY @ 15.56 /15.56 °C	0.8178	ASTM D 4052
API	41.5	ASTM D 1298
SULPHUR CONTENT (Total) wt.%	0.41	ASTM D 4294
MERCAPTAN CONTENT ppm	21	UOP 163
H ₂ S CONTENT ppm	< 1	UOP 163
WATER CONTENT Vol.%	<0.05	ASTM D 4006
NITROGEN CONTENT wt.%	0.04	ASTM D 5762
KINEMATIC VISCOSITY @ 0 °C mm ² /Sec	8.991	ASTM D 445
KINEMATIC VISCOSITY @ 10 °C mm ² /Sec	6.438	ASTM D 445
KINEMATIC VISCOSITY @ 20 °C mm ² /Sec	4.280	ASTM D 445
POUR POINT °C	-30	ASTM D 97
R.V.P PSI	2.50	ASTM D 323
WAX CONTENT wt.%	6.2	BP 237
DROP MELTING POINT OF WAX °C	53	IP 133
COPPER CORROSION, 3hrs,@50°C	1a	ASTM D 130
ACIDITY TOTAL mgrKOH/gr	<0.05	ASTM D 664
ANILINE POINT °C	93	ASTM D 611
MOLECULAR WEIGHT	144	Osmomat
CARBON RESIDUE RAMS BOTTOM wt.%	<0.05	ASTM D 524
COLOR D-1500	8.0	ASTM D 1500
LEAD ppm	< 1	ASTM D 5863

Sampling date: 14 Tir 1393 (5 July, 2014)
 Report Date: 20 Mordad 1393 (11 Aug. 2014)



NATIONAL IRANIAN OIL COMPANY(NIOC)
 RESEARCH INSTITUTE OF PETROLEUM INDUSTRY(R.I.P.I)
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T B P DISTILLATION ANALYSIS (ASTM D- 2892 &D- 5236)

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TABLE: 2

SP. GR @15.56/15.56

0.8178

FRAC. NO	BOILING RANGE OF FRAC.@ 760 mmHg DEG. C	WEIGHT PERCENT	CUTTING RANGE WT%	SP.Gr. @15.56/ 15.56 °C	VOLUME PERCENT	CUTTING RANGE VOL %
1	IBP-15	0.96	0.96	0.5708	1.38	1.38
2	15-65	4.30	5.26	0.6438	5.46	6.84
3	65-100	4.60	9.86	0.7120	5.28	12.12
4	100-125	4.64	14.50	0.7457	5.09	17.21
5	125-150	7.51	22.01	0.7607	8.07	25.28
6	150-175	6.79	28.80	0.7728	7.19	32.47
7	175-200	5.63	34.43	0.7858	5.86	38.33
8	200-225	5.42	39.85	0.7957	5.57	43.90
9	225-250	5.30	45.15	0.8067	5.37	49.27
10	250-275	5.28	50.43	0.8225	5.25	54.52
11	275-300	4.82	55.25	0.8306	4.75	59.27
12	300-325	4.84	60.09	0.8408	4.71	63.98
13	325-350	4.21	64.30	0.8563	4.02	68.00
14	350-385	6.10	70.40	0.8693	5.74	73.74
15	385-425	6.45	76.85	0.8903	5.92	79.66
16	425-450	3.77	80.62	0.9014	3.42	83.08
17	450-475	3.68	84.30	0.9096	3.31	86.39
18	475-500	2.90	87.20	0.9166	2.59	88.98
19	500-530	2.65	89.85	0.9247	2.34	91.32
20	530-565	3.25	93.10	0.9339	2.85	94.17
21	565+	6.90	100.00	0.9676	5.83	100.00