



NATIONAL IRANIAN OIL COMPANY (NIOC) RESEARCH
INSTITUTE OF PETROLEUM INDUSTRY (RIPI)
CRUDE OIL AND PETROLEUM PRODUCTS EVALUATION DEPARTMENT

PARS CRUDE OIL

TBP DISTILLATION ANALYSIS (ASTM D2892 & ASTM D5236)

| Frac. No. | Boiling Range, °C | Yield, wt.% | Cumulative Yield, wt.% | Sp.Gr. @ 15.56/15.56 °C | Yield, vol.% | Cumulative Yield, vol.% |
|-----------|-------------------|-------------|------------------------|-------------------------|--------------|-------------------------|
| 1 | IBP-15 | 1.04 | 1.04 | 0.5380 | 1.78 | 1.78 |
| 2 | 15-65 | 2.70 | 3.74 | 0.6513 | 3.81 | 5.59 |
| 3 | 65-100 | 2.87 | 6.61 | 0.7039 | 3.75 | 9.34 |
| 4 | 100-125 | 2.40 | 9.01 | 0.7328 | 3.01 | 12.35 |
| 5 | 125-150 | 2.70 | 11.71 | 0.7548 | 3.29 | 15.64 |
| 6 | 150-175 | 2.82 | 14.53 | 0.7723 | 3.36 | 19.00 |
| 7 | 175-200 | 3.08 | 17.61 | 0.7898 | 3.58 | 22.58 |
| 8 | 200-225 | 3.12 | 20.73 | 0.8028 | 3.57 | 26.15 |
| 9 | 225-250 | 3.08 | 23.81 | 0.8184 | 3.46 | 29.61 |
| 10 | 250-275 | 3.14 | 26.95 | 0.8400 | 3.44 | 33.05 |
| 11 | 275-300 | 3.26 | 30.21 | 0.8614 | 3.48 | 36.53 |
| 12 | 300-325 | 3.19 | 33.40 | 0.8715 | 3.36 | 39.89 |
| 13 | 325-350 | 3.41 | 36.81 | 0.8817 | 3.56 | 43.45 |
| 14 | 350-385 | 4.80 | 41.61 | 0.9053 | 4.87 | 48.32 |
| 15 | 385-425 | 5.30 | 46.91 | 0.9381 | 5.19 | 53.51 |
| 16 | 425-450 | 3.45 | 50.36 | 0.9442 | 3.36 | 56.87 |
| 17 | 450-475 | 3.42 | 53.78 | 0.9600 | 3.27 | 60.14 |
| 18 | 475-500 | 3.53 | 57.31 | 0.9757 | 3.33 | 63.47 |
| 19 | 500-530 | 3.70 | 61.01 | 0.9856 | 3.45 | 66.92 |
| 20 | 530-565 | 4.05 | 65.06 | 0.9966 | 3.74 | 70.66 |
| 21 | 565+ | 34.94 | 100.00 | 1.0946 | 29.34 | 100.00 |