

**NATIONAL PIER OIL COMPANY**  
RESEARCH INSTITUTE OF PETROLEUM INDUSTRY  
CRUDE OIL AND PETROLEUM PRODUCTS EVALUATION DEPARTMENT  
**SIRR630 CrudeOil General Data**

TABLE 1: CRUDE OIL GENERAL PROPERTIES ANALYSIS

CHARACTERISTICS	UNITS	RESULT	TEST METHOD
Specific Gravity @ 15.56 /15.56 °C	---	<b>0.9408</b>	ASTM D5002
API Gravity	°API	<b>18.9</b>	ASTM D5002
Sulfur Content (Total)	wt.%	<b>3.88</b>	ASTM D4294
H <sub>2</sub> S Content	ppm	<b>&lt;1</b>	IP 570
Mercaptan Content	ppm	<b>13</b>	UOP 163
Nitrogen Content (Total)	wt.%	<b>0.18</b>	ASTM D 5762
Water & Sediment	vol.%	<b>0.10</b>	ASTM D4007
Water Content	vol.%	<b>0.1</b>	ASTM D4006
Salt Content	PTB	<b>22</b>	ASTM D3230
Kinematic Viscosity @ 10 °C	mm <sup>2</sup> /s	<b>1815.00</b>	ASTM D445
Kinematic Viscosity @ 20 °C	mm <sup>2</sup> /s	<b>742.60</b>	
Kinematic Viscosity @ 40 °C	mm <sup>2</sup> /s	<b>177.200</b>	
Pour Point (Upper)	°C	<b>-24</b>	ASTM D5853
Reid Vapor Pressure	psi	<b>3.85</b>	ASTM D323
Asphaltene Content	wt.%	<b>10.1</b>	IP 143
Wax Content	wt.%	<b>3.8</b>	BP 237
Drop Melting Point of Wax	°C	<b>60</b>	IP 133
Conradson Carbon Residue	wt.%	<b>12.55</b>	ASTM D189
Total Acid Number	mg KOH/g	<b>0.64</b>	UOP 565
Nickel Content	mg/kg	<b>21</b>	ASTM D5863
Vanadium Content	mg/kg	<b>85</b>	
Iron Content	mg/kg	<b>1</b>	
Lead Content	mg/kg	<b>&lt;1</b>	
Sodium Content	mg/kg	<b>6</b>	
Zinc Content	mg/kg	<b>&lt;1</b>	
Copper Content	mg/kg	<b>&lt;1</b>	