

## CERTIFICATE OF QUANTITY

**CUSTOMER:** CNOOC PETROLEUM BRASIL LTDA/CHINA OFFSHORE OIL (SINGAPORE) PTE LTD

**PETROINSPEC REF:** PIS009/24

**VESSEL:** DPST NS PIONEER

**VOYAGE:** NS-V24-07

**PRODUCT:** BUZIOS CRUDE OIL

**FPSO:** FPSO P-77 / SANTOS BASIN

**CARGO REF:** P77 OC 013

**DATE:** May 31st to June 01st, 2024

### SUMMARY OF QUANTITIES BY TABLE ASTM 60 A

Measurements	Gross	Net
Liters (20°C)	80.033.973	79.793.870
Kilograms (Vac)	70.237.815	70.027.100
Metric Tons (Vac)	70.237,815	70.027,100
Kilograms (Air)	70.135.376	69.924.968
Metric Tons (Air)	70.135,376	69.924,968
Long Tons (Air)	69.027,694	68.820,610
US BBLS (60°F)	501.609,51	500.104,67
US GALLONS (60°F)	21.067.599,26	21.004.396,18
Cubic Meters (60°F)	79.749,491	79.510,241
Cubic Meters (20°C)	80.033,973	79.793,870
Liters (15°C)	79.714.449	79.475.304

### SUMMARY OF QUANTITIES BY TABLE ASTM 6 A

Measurements	Gross	Net
US BBLS (60°F)	501.623,89	500.119,04
Kilograms (Vac)	70.241.610	70.030.890
Metric Tons (Vac)	70.241,610	70.030,890
Kilograms (Air)	70.156.490	69.946.020
Metric Tons (Air)	70.156,490	69.946,020
Long Tons (Air)	69.048,470	68.841,330
US GALLONS (60°F)	21.068.203,40	21.004.999,70
Cubic Meters (60°F)	79.751,778	79.512,526
Cubic Meters (20°C)	80.036,284	79.796,178
Liters (15°C)	79.716.750	79.477.603

### SUMMARY OF QUANTITIES BY TABLE ASTM 54 A

Measurements	Gross	Net
Liters (15°C)	79.716.525	79.477.376
Kilograms (Vac)	70.222.287	70.011.621
Metric Tons (Vac)	70.222,287	70.011,621
Kilograms (Air)	70.137.202	69.926.791
Metric Tons (Air)	70.137,202	69.926,791
Long Tons (Air)	69.029,492	68.822,404
US BBLS (60°F)	501.622,57	500.117,71
US GALLONS (60°F)	21.068.147,90	21.004.943,80

Density at 20°C	0,8776
Density at 15°C	0,8809
°API	0,30
S&W (% Vol)	29,01
Salt (mg/l)	24,0