

ARTICLE II

Section 2.01. PRODUCT AND QUALITY.

Table of Physical and Chemical characteristics of the cargo.

<u>Ref Item</u>	<u>Item description</u>	<u>Unit of Measure</u>	<u>Approved Test method</u>	<u>Acceptable alternate Test methods</u>	<u>Minimum allowed Value</u>	<u>Maximum allowed Value</u>	<u>Comments</u>
F.1	Sulphur content	% mass	ASTM D 4294	ASTM D 2622	N/A	H.SFO = 2.00 L.SFO = 1.19	
F.2	Pour Point	Deg C	ASTM D 97	N/A	N/A	21	
F.3	Flash Point	Deg C	ASTM D 93	N/A	66	N/A	
F.4	Fire Point	Deg C	ASTM D 92	N/A	94	N/A	
F.5	Viscosity – Saybolt Universal Seconds	Seconds at 100 °F	ASTM D 445 converted with ASTM D 2161	N/A	600	1500	
F.6	Sediment by Extraction	% mass	ASTM D 473	N/A	N/A	0.50	
F.7	Water by Distillation	% Volume	ASTM D 95	N/A	N/A	0.50	
F.8	Vanadium Content	Parts per million	ASTM D 5708	a) UOP 800 b) ASTM D 5184 c) ASTM D 5863 d) IP 501/ e) IP 433 / ISO 14597 f) IP 470 g) IP465/EN 13131	N/A	80	
F.9a	Silicon Content	Parts per million	ASTM D 5184	a) IP 470 b) IP377 / ISO 10487 c) IP 501	N/A	Combined Al + Si not to exceed 80 – individual results to be reported separately	
F.9b	Aluminium Content	Parts per million	ASTM D 5184	a) IP 470 b) IP377 / ISO 10487 c) IP 501	N/A		
F.10	Gross heating Value	Million BTU per US Bbl	ASTM D 240	N/A	5.9	N/A	See comments below

<u>Ref Item</u>	<u>Item description</u>	<u>Unit of Measure</u>	<u>Approved Text method</u>	<u>Acceptable alternate Test methods</u>	<u>Minimum allowed Value</u>	<u>Maximum allowed Value</u>	<u>Comments</u>
F.11	Carbon Residue - Micro carbon	% mass	ASTM D 4530	a) ASTM D 5245 b) ASTM D 189 (see note A)	N/A	15	Note n = CCR result shall be converted using table in method to RCR equivalent
F.12	Ash	% mass	ASTM D 482	N/A	N/A	0.10	
F.13c	Total sediment - accelerated	% mass	ISO 10307-2	N/A	N/A	0.15	
F.18	Compatibility	a) Cleanliness ratio b) Compatibility ratio	ASTM D 4740	N/A	N/A	a) 2 b) 2	(a) to be reported from loadport. (b) to be determined on arrival Guam unless otherwise notified in the specific instance. Note F.18
F.20	API gravity	-	ASTM D 287	ASTM D 1298 and conversion	14.0	23.0	