



### Certificate of Analysis

<b>Vessel / Object:</b>		<b>Job No:</b>	654-22-00391
<b>Location:</b>	Fujairah / Port of Fujairah (United Arab Emirates)	<b>Date Sampled:</b>	09 Mar 2022
<b>Job Type:</b>	Sample	<b>Date Tested:</b>	22 Mar 2022
<b>Product Grade:</b>	Naphtha	<b>Version:</b>	2 / 24 Mar 2022 13:10
<b>Client Reference:</b>	Fujairah Court Expert		

<b>Sample</b>	<b>Sample ID, Type &amp; Description</b>
654-22-00391-050	Boiler Tank Drip Sample Other Sample

<b>Method</b>	<b>Test</b>	<b>Result</b>	<b>Units</b>
ASTM D4052	Density @15°C	0.7911	kg/l

<b>Sample</b>	<b>Sample ID, Type &amp; Description</b>
654-22-00391-054	V3 Drip Sample Other Sample

<b>Method</b>	<b>Test</b>	<b>Result</b>	<b>Units</b>
ASTM D4052	Density @15°C	0.7879	kg/l

<b>Sample</b>	<b>Sample ID, Type &amp; Description</b>
654-22-00391-057	V4 Drip Sample Other Sample

<b>Method</b>	<b>Test</b>	<b>Result</b>	<b>Units</b>
ASTM D4052	Density @15°C	0.7879	kg/l

<b>Sample</b>	<b>Sample ID, Type &amp; Description</b>
654-22-00391-060	V11 Drip Sample Other Sample

<b>Method</b>	<b>Test</b>	<b>Result</b>	<b>Units</b>
ASTM D4052	Density @15°C	0.7880	kg/l

**Notes:** 1. The report shall not be reproduced except in full without the approval of the laboratory.  
2. The test results are only applicable to the sample(s) referred above.



John Abraham  
Assistant Laboratory Manager

AmSpec Middle East Inspection and Testing Services LLC - Ground Floor of Port Building – G, Main Gate of Port of Fujairah - Fujairah - -

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## Certificate of Analysis

**Vessel / Object:**  
**Location:** Fujairah / Port of Fujairah (United Arab Emirates)  
**Job Type:** Sample  
**Product Grade:** Naphtha  
**Client Reference:** Fujairah Court Expert

**Job No:** 654-22-00391  
**Date Sampled:**  
**Date Tested:** 17 Mar 2022  
**Version:** 2 / 24 Mar 2022 17:44

**Sample**  
 654-22-00391-068

**Sample ID, Type & Description**  
 Shore tanks VT-11 & Boiler Tank Volumetric Composite Sample

Method	Test	Min	Max	Result	Units	Remarks
ASTM D4052	Density @15°C	0.650	0.740	0.7886 *	kg/l	
ASTM D156	Saybolt Color	20		-17 *		
ASTM D323##	Reid Vapor Pressure		13	1.25	psi	
ASTM D4294!!	Total Sulfur Content		0.0650	0.0699 *	%wt	
ASTM D86	Distillation Recovered					
	IBP	25		65.9	°C	
	5%			96.4	°C	
	10%			107.8	°C	
	20%			117.9	°C	
	30%			127.7	°C	
	40%			139.2	°C	
	50%			151.6	°C	
	60%			167.5	°C	
	70%			179.2	°C	
	80%			195.7	°C	
	90%			217.2	°C	
	95%			234.1	°C	
	FBP		204	257.1 *	°C	
	Recovery			98.5	%vol	
	Residue			0.5	%vol	
	Loss			1.0	%vol	

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\*Parameter found offspec



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**AmSpec Middle East L.L.C.**  
United Arab Emirates

Terminal GULF ENVIRONMENT  
Port/Country Fujairah, United Arab Emirates  
AmSpec Ref. No. 654-22-00391  
Date March 09, 2022  
Cargo Naphtha  
Operation Tank Inspection, Sampling and Analysis

**SHORE TANK REPORT**

TANK NO.	Innage m	Reference Height m	Temp. °C	Maximum Capacity m3	Length m	Circumference m	Product	Volume m3	Samples
VT-3	4.300	gauge	N/A	23.000	N/A	N/A	White	N/A	3 X 1.0 Litre
VT-4	3.500	gauge	N/A	23.000	N/A	N/A	White	N/A	3 X 1.0 Litre
V-11	5.837	6.755	24.90	65.000	N/A	12.020	White	49.501	3 X 1.0 Litre
Boiler Tank	0.700	gauge	N/A	8.000	4.600	9.425	White	4.948	4 X 1.0 Litre

*Note: Volume given are estimates only.*

Samples N/A: No samples taken since tanks are either empty, have minimal volume, or cannot be gauged.

**Original sign and stamp by:**

Terminal : Gulf Environment

**AmSpec Inspector**

Rudy Bautista

Jerny Lopez

Bency Ascura

Anthony Reyes





**AmSpec Middle East L.L.C.**  
United Arab Emirates

Terminal : GULF ENVIRONMENT  
Port/Country : Fujairah, United Arab Emirates  
AmSpec Ref. No. : 654-22-00391  
Date : March 09, 2022  
Cargo : Naphtha  
Operation : Tank Inspection, Sampling, and Analysis

**Shore Tank Report**

SI #	Group	Sample	Density at 15°C (kg/L)	Flash Point (°C)	Water Content (%Vol)	Grade	Quantity (M3)	Quantity (MT)	Analysis Done on Vol. Composite	Remarks
1	A	VT-3	0.7879	-	-	Naphtha	N/A	N/A	Density, Sulphur, Color, Distillation, and RVP	Group A - Off Spec on Density, Distillation, Sulphur, & Color.
2		VT-4	0.7879	-	-		N/A	N/A		
3		VT-11	0.7880	-	-		49.501	38.541		
4		Boiler Tank	0.7911	-	-		4.948	3.872		

Note: Volumes given are estimates only.

Off Spec results are highlighted in red

Quantity N/A: Cannot be gauged/Calculated

**Original sign and stamp by:**

Terminal : Gulf Environment

**AmSpec Inspector**

Rudy Bautista

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