



**United States of America  
Department of Homeland Security  
United States Coast Guard**

Certification Date:	03 Jan 2024
Expiration Date:	03 Jan 2025

# Temporary Certificate of Inspection

For ships on international voyages this certificate fulfills the requirements of SOLAS 74 as amended, regulation V/14, for a SAFE MANNING DOCUMENT

This Temporary Certificate of Inspection is issued under the provision of Title 46 United States Code, Section 399, in lieu of the regular certificate of inspection, and shall be in force only until the receipt on board said vessel of the original certificate of inspection, this certificate in no case to be valid after one year from the date of inspection.

Vessel Name	Official Number	IMO Number	Call Sign	Service
FMT 1094	1290942			Tank Barge

Hailing Port	Hull Material	Horsepower	Propulsion
NEW ORLEANS, LA	Steel		
UNITED STATES			

Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
CARUTHERSVILLE, MO	06Dec2018	01Nov2018	R-705	R-705		R-200 0
UNITED STATES			-	-		1-0

Owner	Operator
BROOKS MARINE LEASING LLC 313 ELMEER AVE METAIRIE, LA 70005 UNITED STATES	FMT CHEMICAL BARGE TRANSPORTERS, LLC 2360 FIFTH STREET MANDEVILLE, LA 70471 UNITED STATES

This vessel must be manned with the following licensed and unlicensed Personnel. Included in which there must be 0 Certified Lifeboatmen, 0 Certified Tankermen, 0 HSC Type Rating, and 0 GMDSS Operators.

0 Masters	0 Licensed Mates	0 Chief Engineers	0 Oilers
0 Chief Mates	0 First Class Pilots	0 First Assistant Engineers	
0 Second Mates	0 Radio Officers	0 Second Assistant Engineers	
0 Third Mates	0 Able Seamen	0 Third Assistant Engineers	
0 Master First Class Pilot	0 Ordinary Seamen	0 Licensed Engineers	
0 Mate First Class Pilots	0 Deckhands	0 Qualified Member Engineer	

In addition, this vessel may carry 0 Passengers, 0 Other Persons in crew, 0 Persons in addition to crew, and no Others. Total Persons allowed: 0

**Route Permitted And Conditions Of Operation:**  
**---Lakes, Bays, and Sounds---**

Also, in fair weather only, limited coastwise, not more than twelve (12) miles from shore between St. Marks and Carrabelle, Florida.

This vessel has been granted a fresh water service examination interval in accordance with 46 CFR 31.10-21(a) (2). If this vessel is operated in salt water more than six months in any twelve month period, the vessel must be inspected using salt water intervals per 46 CFR 31.10-21(a) (1) and the cognizant OCGI notified in writing as soon as this change in status occurs.

This tank barge is participating in the Eighth-Ninth Coast Guard District's Tank Barge Streamlined Inspection

**\*\*\*SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION\*\*\***

With this Inspection for Certification having been completed at New Orleans, LA, UNITED STATES, the Officer in Charge, Marine Inspection, Sector New Orleans certified the vessel, in all respects, is in conformity with the applicable vessel inspection laws and the rules and regulations prescribed thereunder.

Annual/Periodic/Re-Inspection				This certificate issued by: J. H. HART COMMANDER, by direction Officer in Charge, Marine Inspection Sector New Orleans Inspection Zone
Date	Zone	A/P/R	Signature	



## Temporary Certificate of Inspection

Vessel Name: FMT 1094

Program (TBSIP). Inspection activities aboard this barge shall be conducted in accordance with its Tank Barge Action Plan. Inspection issues concerning this barge should be directed to Sector New Orleans OCMI.

### ---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	31Dec2028	06Dec2018	
Internal Structure	31Dec2028	29Dec2023	06Dec2018

### --- Liquid/Gas/Solid Cargo Authority/Conditions ---

Authorization: GRADE "A" AND LOWER AND SPECIFIED HAZARDOUS CARGOES.

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
11070	Barrels	A	Yes	No	No

### \*Hazardous Bulk Solids Authority\*

Not Authorized

### \*Loading Constraints - Structural\*

Tank Number	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
1C	628	13.6
2C	592	13.6
3C	592	13.6

### \*Loading Constraints - Stability\*

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
I	1401	8ft 8in	13.6	R
I	1401	8ft 8in	13.6	LBS
II	1509	9ft 2in	13.6	R
II	1509	9ft 2in	13.6	LBS
III	1726	10ft 2in	13.6	R
III	1726	10ft 2in	13.6	LBS

### \*Conditions Of Carriage\*

Per 46 CFR 150.130, the person in charge of the barge(vessel) is responsible for ensuring that the compatability requirements of 46 CFR 150 are met. Cargoes must be checked for compatability using figures, tables, and appendices of 46 CFR 150 in conjunction with the reactive group numbers from the 'Compat Group No' column listed above the vessel's Cargo Authority Attachment.

Only those cargoes named in the vessel's Cargo Authority Attachment, serial number C1-1704406 dated 05 December 2017, may be carried, and then only in the tanks indicated. When the vessel is carrying cargoes containing greater than 0.5% benzene, the person in charge is responsible for ensuring the provisions of 46 US Code of Federal Regulations Part 197, Subpart C are applied.

In accordance with 46 CFR Part 39, excluding part 39.4000, this vessel's vapor collection system has been inspected to the plans approved by MSC Letter C1-1700284 dated January 30, and extended by MSC Letter C1-1704406 dated December 5, 2017, and has been found acceptable for the collection of bulk liquid cargo vapors annotated with "Yes" in the CAA's VCS column of the vessel's Cargo Authority Attachment. The VCS system has been approved with a pressure side 3 psig P/V valve with Coast Guard Approval 162.017/167/4. The cargo tank top is suitable for a maximum allowable working pressure (MAWP)



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Vessel Name: FMT 1094

of 3.56 psi. When the vessel is carrying cargoes containing greater than 0.5% benzene, the person in charge is responsible for ensuring the provisions of 46 US Code of Federal Regulations Part 197, Subpart C are applied.

In accordance with 46 CFR Part 39.1017 and 39.5000(e) this vessel's VCS has been evaluated and approved for multi-breasted tandem loading with other vessels specifically approved to tandem load with this vessel.

The maximum design density of cargo which may be filled to the tank top is 8.74 lbs/gal. Cargoes with higher densities, up to 13.6 lbs/gal, may be carried as slack loads, but shall not exceed the tank weight limits as listed below.

Note: Per 46 CFR 151.10-15(c)(2) the max. tank weights listed below reflect uniform (within 5%) loading at the deepest draft allowed. When carrying Subchapter O cargoes at shallower drafts, the barge(s) should always be loaded uniformly.

### --- Inspection Status ---

#### \*Cargo Tanks\*

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1C	-	06Dec2018	31Dec2028	-	-	-
2C	-	06Dec2018	31Dec2028	-	-	-
3C	-	06Dec2018	31Dec2028	-	-	-

#### Hydro Test

Tank Id	Safety Valves	Hydro Test		
		Previous	Last	Next
1C	-	-	-	-
2C	-	-	-	-
3C	-	-	-	-

### --- Fire Fighting Equipment ---

#### \*Fire Extinguishers - Hand portable and semi-portable\*

Quantity	Class Type
2	40-B

\*\*\*END\*\*\*



# Certificate of Inspection

## Cargo Authority Attachment

Vessel Name: FMT 1094

Shipyards: JEFFBOAT  
INCORPORATED

Official #: 1290942

Hull #: 17-2453

### 46 CFR 151 Tank Group Characteristics

Tank Group Information		Cargo Identification			Tanks				Cargo Transfer		Environmental Control		Fire Protection Provided	Special Requirements				
Trk Grp	Tanks in Group	Density	Press.	Temp	Hull Typ	Cargo Seg Tank	Type	Vent	Gauge	Pipe Class	Cont	Tanks	Handling Space	General	Materials of Construction	Elec Haz	Temp Cont	
A	#1C,#2C,#3C		Almos	Amb	I	1ii 2ii	Integral Gravily	PV	Closed	II	G-1	NR	NA	Portable	50-60, 50-70(a), 50-70(b), 50-73, 50-81(a), 81(b)	55-1(b), (c), (e), (f), (j), 56-1(a), (b), (c), (d), (e), (f), (g)	I-B	No

- Notes: 1. Under Environmental Control, Tanks, NR means that the tank group is suitable only for those cargoes which require no environmental control in the cargo tanks  
 2. Under Environmental Control, Handling Space, NR means that the tank group is suitable only for those cargoes which require no environmental control in the cargo handling space. NA means that the vessel does not have a cargo control space, and this requirement is not applied.  
 3. Under Electrical Hazard Class, NA means that the tank group is suitable only for those cargoes which have no electrical hazard class requirement. NR means that the vessel has no electrical equipment located in a hazardous location.

### List of Authorized Cargoes

Name	Cargo Identification				Conditions of Carriage												
	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'l's of	Insp Period							
Dodecyl phenol	DOL	21	D/O	E	I	A	No	N/A	50-73	2							
Sodium acetate solution	SAN	34	D/O	3	#	A	No	N/A									
Acetonitrile	ATN	37	O	C	III	A	No	N/A	No	G							
Acrylonitrile	ACN	15 <sup>2</sup>	O	C	II	A	No	N/A	50-70(a), 55-1(e)	G							
Adiponitrile	ADN	37	O	E	II	A	No	N/A	No	G							
Alkyl (C7-C9) nitrates	AKN	34 <sup>2</sup>	O	NA	III	A	No	N/A	50-81, 50-85	G							
Aminoethyl ethanolamine	AEE	8	O	E	III	A	No	N/A	55-1(b)	G							
Ammonium bisulfite solution (70% or less)	ABX	43 <sup>2</sup>	O	NA	III	A	No	N/A	50-73, 56-1(a), (b), (c)	G							
Ammonium hydroxide (28% or less NH3)	AMH	6	O	NA	III	A	No	N/A	56-1(a), (b), (c), (f), (g)	G							
Anthracene oil (Coal tar fraction)	AHO	33	O	NA	II	A	No	N/A	No	C							
Benzene	BNZ	32	O	C	III	A	No	N/A	50-60	G							
Benzene or hydrocarbon mixtures (having 10% Benzene or more)	BHB	32 <sup>2</sup>	O	C	III	A	No	N/A	50-60	G							
Benzene or hydrocarbon mixtures (containing Acetylene and 10% Benzene or more)	BHA	32 <sup>2</sup>	O	C	III	A	No	N/A	50-60, 56-1(b), (d), (f), (g)	G							
Benzene, Toluene, Xylene mixtures (10% Benzene or more)	BTX	32	O	B/C	III	A	No	N/A	50-60	G							
Bis(2-ethylhexyl) terephthalate	PEC	34	O	E	II	A	No	N/A	No	G							
Butyl acrylate (all isomers)	BAR	14	O	D	III	A	No	N/A	50-70(a), 50-81(a), (b)	G							
Butyl methacrylate	BMH	14	O	D	III	A	No	N/A	50-70(a), 50-81(a), (b)	G							
Butyraldehyde (all isomers)	BAE	19	O	C	III	A	No	N/A	55-1(h)	G							
Camphor oil (light)	CPO	18	O	D	II	A	No	N/A	No	G							
Carbon tetrachloride	CBT	36	O	NA	III	A	No	N/A	No	G							
Caustic potash solution	CPS	5 <sup>2</sup>	O	NA	III	A	No	N/A	50-73, 55-1(j)	C							
Caustic soda solution	CSS	5 <sup>2</sup>	O	NA	III	A	No	N/A	50-73, 55-1(j)	G							
Chlorobenzene	CRB	36	O	D	III	A	No	N/A	No	G							
Chloroform	CRF	36	O	NA	III	A	No	N/A	No	G							
Coal tar naphtha solvent	NCT	33	O	D	III	A	No	N/A	50-73	G							
Creosote	CCW	21 <sup>2</sup>	O	E	III	A	No	N/A	No	G							
Cresols (all isomers)	CRS	21	O	E	III	A	No	N/A	No	G							
Cresylate spent caustic	CSC	5	O	NA	III	A	No	N/A	50-73, 55-1(b)	G							
Cresylic acid tar	CRX	21	O	E	III	A	No	N/A	55-1(f)	G							
Crotonaldehyde	CTA	19 <sup>2</sup>	O	C	II	A	No	N/A	55-1(h)	G							
Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein)	CHG	19 <sup>2</sup>	O	C	III	A	No	N/A	No	G							

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# Certificate of Inspection

## Cargo Authority Attachment

Vessel Name: FMT 1094

Shipyard: JEFFBOAT  
INCORPORATED

Official #: 1290942

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Hull #: 17-2453

Name	Cargo Identification						Conditions of Carriage				
	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of Construction	Insp Period	
Cyclohexanone	CCH	18	O	D	III	A	No	N/A	56-1(a), (b)	G	
Cyclohexanone, Cyclohexanol mixture	CYX	18 <sup>2</sup>	O	E	III	A	No	N/A	56-1 (b)	G	
Cyclohexylamine	CHA	7	O	D	III	A	No	N/A	56-1(a), (b), (c), (g)	G	
Cyclopentadiene, Styrene, Benzene mixture	CSB	30	O	D	III	A	No	N/A	50-60, 56-1(b)	G	
iso-Decyl acrylate	IAI	14	O	E	III	A	No	N/A	50-70(a), 50-81(a), (b), 55-1(c)	G	
Dichlorobenzene (all isomers)	DBX	36	O	E	III	A	No	N/A	56-1(a), (b)	G	
1,1-Dichloroethane	DCH	36	O	C	III	A	No	N/A	No	G	
2,2'-Dichloroethyl ether	DEE	41	O	D	II	A	No	N/A	55-1(f)	G	
Dichloromethane	DCM	36	O	NA	III	A	No	N/A	No	G	
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	O	E	III	A	No	N/A	56-1(a), (b), (c), (g)	G	
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution	DAD	0 <sup>1,2</sup>	O	A	III	A	No	N/A	56-1(a), (b), (c), (g)	G	
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	DTI	43 <sup>2</sup>	O	E	III	A	No	N/A	56-1(a), (b), (c), (g)	G	
1,1-Dichloropropane	DPB	36	O	C	III	A	No	N/A	No	G	
1,2-Dichloropropane	DPP	36	O	C	III	A	No	N/A	No	G	
1,3-Dichloropropane	DPC	36	O	C	III	A	No	N/A	No	G	
1,3-Dichloropropene	DPU	15	O	D	II	A	No	N/A	No	G	
Dichloropropene, Dichloropropane mixtures	DMX	15	O	C	II	A	No	N/A	No	G	
Diethanolamine	DEA	8	O	E	III	A	No	N/A	55-1(c)	G	
Diethylamine	DEN	7	O	C	III	A	No	N/A	55-1(c)	G	
Diethylenetriamine	DET	7 <sup>2</sup>	O	E	III	A	No	N/A	55-1(c)	G	
Diisobutylamine	DBU	7	O	D	III	A	No	N/A	55-1(c)	G	
Diisopropanolamine	DIP	8	O	E	III	A	No	N/A	55-1(c)	G	
Diisopropylamine	DIA	7	O	C	II	A	No	N/A	55-1(c)	G	
N,N-Dimethylacetamide	DAC	10	O	E	III	A	No	N/A	56-1(b)	G	
Dimethylethanolamine	DMB	8	O	D	III	A	No	N/A	56-1(b), (c)	G	
Dimethylformamide	DMF	10	O	D	III	A	No	N/A	55-1(e)	G	
Di-n-propylamine	DNA	7	O	C	II	A	No	N/A	55-1(c)	G	
Dodecyl dimethylamine, Tetradecyl dimethylamine mixture	DOT	7	O	E	III	A	No	N/A	56-1(b)	G	
Dodecyl diphenyl ether disulfonate solution	DOS	43	O	#	II	A	No	N/A	No	G	
EE Glycol Ether Mixture	EEG	40	O	D	III	A	No	N/A	No	G	
Ethanolamine	MEA	8	O	E	III	A	No	N/A	55-1(c)	G	
Ethyl acrylate	EAC	14	O	C	III	A	No	N/A	50-70(a), 50-81(a), (b)	G	
Ethylamine solutions (72% or less)	EAN	7	O	A	II	A	No	N/A	55-1(b)	G	
N-Ethylbutylamine	EBA	7	O	D	III	A	No	N/A	55-1(b)	G	
N-Ethylcyclohexylamine	ECC	7	O	D	III	A	No	N/A	55-1(b)	G	
Ethylene cyanohydrin	ETC	20	O	E	III	A	No	N/A	No	G	
Ethylenediamine	EDA	7 <sup>2</sup>	O	D	III	A	No	N/A	55-1(c)	G	
Ethylene dibromide	EDB	36 <sup>2</sup>	O	NF	II	A	No	N/A	No	G	
Ethylene dichloride	EDC	36 <sup>2</sup>	O	C	III	A	No	N/A	No	G	
Ethylene glycol hexyl ether	EGH	40	O	E	III	A	No	N/A	No	G	
Ethylene glycol monoalkyl ethers	EGC	40	O	D/E	III	A	No	N/A	No	G	
Ethylene glycol propyl ether	EGP	40	O	E	III	A	No	N/A	No	G	
2-Ethylhexyl acrylate	EAI	14	O	E	III	A	No	N/A	50-70(a), 50-81(a), (b)	G	
Ethyl methacrylate	ETM	14	O	D/E	III	A	No	N/A	50-70(a)	G	
2-Ethyl-3-propylacrolein	EPA	19 <sup>2</sup>	O	E	III	A	No	N/A	No	G	
Formaldehyde solution (37% to 50%)	FMS	19 <sup>2</sup>	O	D/E	III	A	No	N/A	55-1(h)	G	
Furfural	FFA	19	O	D	III	A	No	N/A	55-1(h)	G	

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Hull #: 17-2453

Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery		Special Requirements in 46 CFR 151 General and Mats of Construction	Insp Period
							App'd (Y or N)	VCS Category		
Glutaraldehyde solutions (50% or less)	GTA	19	O	NA	III	A	No	N/A	No	G
Hexamethylenediamine solution	HMC	7	O	E	III	A	No	N/A	55-1(c)	G
Hexamethyleneimine	HMI	7	O	C	II	A	No	N/A	56-1(b), (c)	G
Isoprene	IPR	30	O	A	III	A	No	N/A	50-70(a), 50-81(a), (b)	G
Isoprene, Pentadiene mixture	IPN	30	O	B	III	A	No	N/A	50-70(n), 55-1(c)	G
Kraft pulping liquors (free alkali content 3% or more)(including: Black, Green, or White liquor)	KPL	5	O	NA	III	A	No	N/A	50-73, 56-1(a), (c), (g)	G
Mesityl oxide	MSO	18 <sup>2</sup>	O	D	III	A	No	N/A	No	G
Methyl acrylate	MAM	14	O	C	III	A	No	N/A	50-70(a), 50-81(a), (b)	G
Methylcyclopentadiene dimer	MCK	30	O	C	III	A	No	N/A	No	G
Methyl diethanolamine	MDE	8	O	E	III	A	No	N/A	56-1(b), (c)	G
2-Methyl-5-ethyl pyridine	MEP	9	O	E	III	A	No	N/A	55-1(e)	G
Methyl methacrylate	MMM	14	O	C	III	A	No	N/A	50-70(a), 50-81(n), (b)	G
2-Methylpyridine	MPR	9	O	D	III	A	No	N/A	55-1(c)	G
alpha-Methylstyrene	MSR	30	O	D	III	A	No	N/A	50-70(a), 50-81(a), (b)	G
Morpholine	MPL	7 <sup>2</sup>	O	D	III	A	No	N/A	55-1(e)	G
Nitroethane	NTE	42	O	D	II	A	No	N/A	50-81, 56-1(b)	G
1- or 2-Nitropropane	NPM	42	O	D	III	A	No	N/A	50-81	G
Pentachloroethane	PCE	36	O	NA	III	A	No	N/A	No	G
1,3-Pentadiene	PDE	30	O	A	III	A	No	N/A	50-70(a), 50-81	G
Perchloroethylene	PER	36	O	NA	III	A	No	N/A	No	G
Polyethylene polyamines	PEB	7 <sup>2</sup>	O	E	III	A	No	N/A	55-1(c)	G
iso-Propanolamine	MPA	8	O	E	III	A	No	N/A	55-1(c)	G
Propanolamine (iso-, n-)	PAX	8	O	E	III	A	No	N/A	56-1(b), (c)	G
Isopropylamine	IPP	7	O	A	II	A	No	N/A	55-1(c)	G
Pyridine	PRD	9	O	C	III	A	No	N/A	55-1(e)	G
Sodium acetate, Glycol, Water mixture (3% or more Sodium Hydroxide)	SAP	5	O		III	A	No	N/A	50-73, 55-1(g)	G
Sodium aluminate solution (45% or less)	SAU	5	O	NA	III	A	No	N/A	50-73, 56-1(e), (b), (c)	G
Sodium chlorate solution (50% or less)	SDD	0 <sup>1,2</sup>	O	NA	III	A	No	N/A	50-73	G
Sodium hypochlorite solution (20% or less)	SHQ	5	O	NA	III	A	No	N/A	50-73, 56-1(a), (b)	G
Sodium Methylate (30% or less) in Methyl Alcohol Mixture	SMS	20	O	D	III	A	No	N/A	No	4 yr
Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	SSH	0 <sup>1,2</sup>	O	NA	III	A	No	N/A	50-73, 55-1(b)	G
Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm)	SSI	0 <sup>1,2</sup>	O	NA	III	A	No	N/A	50-73, 56-1(b)	G
Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	SSJ	0 <sup>1,2</sup>	O	NA	II	A	No	N/A	50-73, 55-1(b)	G
Styrene monomer	STY	30	O	D	III	A	No	N/A	50-70(a), 50-61(a), (b)	G
1,1,2,2-Tetrachloroethane	TEC	36	O	NA	III	A	No	N/A	No	G
Tetraethylene pentamine	TTP	7	O	E	III	A	No	N/A	55-1(c)	G
Tetrahydrofuran	THF	41	O	C	III	A	No	N/A	50-70(b)	G
1,2,4-Trichlorobenzene	TCB	36	O	E	III	A	No	N/A	No	G
1,1,2-Trichloroethane	TCM	36	O	NA	III	A	No	N/A	50-73, 56-1(a)	G
Trichloroethylene	TCL	36 <sup>2</sup>	O	NA	III	A	No	N/A	No	G
1,2,3-Trichloropropane	TCN	36	O	E	II	A	No	N/A	50-73, 56-1(a)	G
Triethanolamine	TEA	8 <sup>2</sup>	O	E	III	A	No	N/A	55-1(b)	G
Triethylamine	TEN	7	O	C	II	A	No	N/A	55-1(e)	G
Triethylenetetramine	TET	7 <sup>2</sup>	O	E	III	A	No	N/A	55-1(b)	G
Triphenylborane (10% or less), caustic soda solution	TPB	5	O	NA	III	A	No	N/A	56-1(a), (b), (c)	G
Trisodium phosphate solution	TSP	5	O	NA	III	A	No	N/A	50-73, 56-1(a), (c)	G

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Vessel Name: FMT 1094

Shipyard: JEFFBOAT  
INCORPORATED

Official #: 1290942

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Hull #: 17-2453

Cargo Identification							Conditions of Carriage				
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of Construction	Insp Period	
Urea, Ammonium nitrate solution (containing more than 2% NH3)	UAS	6	O	NA	III	A	No	N/A	56-1(b)	G	
Vanillin black liquor (free alkali content, 3% or more).	VBL	5	O	NA	III	A	No	N/A	59-73, 56-1(a), (c), (d)	G	
Vinyl acetate	VAM	13	O	C	III	A	No	N/A	50-70(a) 50-81(a), (b)	G	
Vinyl neodecanoate	VND	13	O	E	III	A	No	N/A	50-70(a), 50-81(a), (b)	G	
Vinyltoluene	VNT	13	O	D	III	A	No	N/A	50-70(a), 50-81, 56-1(a), (b), (c), (d)	G	



# Certificate of Inspection

## Cargo Authority Attachment

Vessel Name: FMT 1094

Official #: 1290942

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Shipyard: JEFFBOAT IN

Hull #: 17-2453

### Explanation of terms & symbols used in the Table:

#### Cargo Identification

Name	The proper shipping name as listed in 46 CFR Table 30.25-1, 46 CFR Table 151.05, and 46 CFR Part 153 Table 2
Chem Code none	The three letter designation assigned to the cargo in the Chemical Hazards Response Information System (CHRIS) Manual. Certain mixtures of cargoes may not have a CHRIS Code assigned.
Compatibility Group No	The cargo reactive group number assigned for compatibility determinations in 46 CFR Part 150 Tables I and II. In accordance with 46 CFR 150.130, the Person-in-Charge of the barge is responsible for ensuring that the compatibility requirements of 46 CFR Part 150 are met. Cargoes must be checked for compatibility using the figures, tables, and appendices of 46 CFR 150 in conjunction with the assigned reactive group number.
Note 1	Because of the very high reactivity or unusual conditions of carriage or potential compatibility problems, this product is not assigned to a specific group in the Compatibility Chart. For additional compatibility information, contact Commandant (CG-3PSO-3), U.S. Coast Guard, 2100 Second Street, SW, Washington, DC 20593-0001. Telephone (202) 372-1425.
Note 2	See Appendix I to 46 CFR Part 150 - exceptions to the compatibility chart.
Subchapter	The subchapter in Title 46 Code of Federal Regulations under which the cargo has been classified.
Subchapter D	Those flammable and combustible liquids listed in 46 CFR Table 30.25-1.
Subchapter O	Those hazardous cargoes listed in 46 CFR Table 151.05 and 46 CFR Part 153 Table 2.
Note 3	Those cargoes listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when carried in bulk on non-oceangoing barges.
Grade	The cargo classification assigned to each flammable or combustible liquid. Grades inside of "( )" indicate a provisional assignment based upon literature sources which were not verified by manufacturers data. The Person-in-Charge shall verify the cargo grade based on Manufacturers data and ensure that the barge is authorized for carriage of that grade of cargo.
A, B, C	Flammable liquid cargoes, as defined in 46 CFR 30-10.22.
D, E	Combustible liquid cargoes, as defined in 46 CFR 30-10.15.
Note 4	The flammability/combustibility grade of these cargoes may vary depending upon the flashpoint and Reid vapor pressure. The Person-in-Charge shall verify the cargo grade based on Manufacturers data and ensure that the barge is authorized for carriage of that grade of cargo.
NA	Those subchapter O cargoes which are not classified as a flammable or combustible liquid.
#	No flammability/combustibility grade has been assigned yet as the necessary flash point/vapor pressure data for such assignments are presently not available.
Hull Type	The required barge hull classification for carriage of the specified Subchapter O hazardous material cargo, see 46 CFR 151.10-1.
I	Designed to carry products which require the maximum preventive measures to preclude the uncontrolled release of the cargo. See 46 CFR 151.10-1(b)(1).
II	Designed to carry products which require significant preventive measures to preclude the uncontrolled release of cargo. See 46 CFR 151.10-1(b)(3).
III	Designed to carry products of sufficient hazard to require a moderate degree of control. See 46 CFR 151.10-1(b)(4).
NA	Not applicable to barges certificated under Subchapter D.

#### Conditions of Carriage

Tank Group	The vessel's tank group (as defined in Section 4) which is authorized for carriage of the named cargo.
Vapor Recovery Approved (Y or N)	Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo. No: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo.

#### Conditions of Carriage

Tank Group	The vessel's tank group (as defined under the "46 CFR Tank Group Characteristics" listed on page 1) which is authorized for carriage of the named cargo.
Vapor Recovery Approved (Y or N)	Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo. No: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo.
VCS Category	The specified cargo's provisional classification for vapor control systems.
Category 1	(No additional VCS requirements above those for benzene, gasolines and crude oil) All requirements applying to the handling of oil and hazardous materials in Titles 33 and 46 Code of Federal Regulations (CFR) apply to these cargoes. Those specifically dealing with vapor control systems are in 33 CFR 155.750, 33 CFR 156.120, 33 CFR 156.170, 46 CFR 35.35 and 46 CFR 39. The cargo tank venting system calculations (46 CFR 39.20-11) and the pressure drop calculations (46 CFR 39.30-11(b)) must use appropriate friction factors, vapor densities and vapor growth rates.
Category 2	(Polymerizes) Polymerization and residue build-up of these cargoes can adversely affect the vessel by fouling safety components and restricting vapor flow which could lead to cargo tank overpressurization. The vessel's owner must develop a method of ensuring all VCS safety components are functional and polymer build-up is not causing an unsafe condition due to increased pressure in the vapor control piping and cargo tanks. The method shall be acceptable to the local Officer in Charge, Marine Inspection. This is in addition to the requirements of Category 1. Please note that a material not normally considered a monomer can be a problem in delamination.
Category 3	(Highly toxic) VCSs for these toxic cargoes cannot use a spill valve or rupture disk as the primary means to meet the overfill protection requirement of 46 CFR 39.20-9. This requirement is in addition to the requirements of Category 1.
Category 4	(Polymerizes and highly toxic) Must comply with requirements of Categories 1, 2 and 3.
Category 5	(High vapor pressure) VCS pressure drop calculations for cargoes with a vapor pressure greater than 14.7 psia at 115 F must take into account increased vapor-air mixture densities and vapor growth rates as compared to Category 1 cargoes. Consult the Marine Safety Center's VCS Guidelines for further information. This requirement is in addition to the requirements of Category 1.
Category 6	(High vapor pressure and highly toxic) Must comply with requirements of Categories 1, 3 and 5.
Category 7	(High vapor pressure and polymerizes) Must comply with requirements of Categories 1, 2 and 5.
none	The cargo has not been evaluated/classified for use in vapor control systems.

\*\*\* This document is only valid when attached to, and referenced by a current, valid Certificate of Inspection. \*\*\*