
	<b>DATA SHEET</b>	ISSUE DATE	10/Jan/2023
	<b>CRACKED FUEL OIL</b>	<a href="http://WWW.TPCO.IR">WWW.TPCO.IR</a>	
		IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL:+984134282612	

PRIMARY ITEMS

PROPERTY	UNIT	TEST METHOD	ACCEPTANCE CRITERIA *
SP.GR.(@ 15°C)	-	IP189,190	1-1.3
VISCOSITY( @ 100°C)	CST	ASTM D-445	MIN 6
FLASH POINT	°C	ASTM D-93	MIN 60

\*Acceptance Criteria refers to the parameters which are tested regularly. These items are guaranteed figures.

	<b>DATA SHEET</b>		ISSUE DATE	20/June/2020
	<b>C4-CUT</b>		<a href="http://WWW.TPCO.IR">WWW.TPCO.IR</a>	
			IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL:+984134282612	


PRIMARY ITEMS

PROPERTY	UNIT	TEST METHOD	ACCEPTANCE CRITERIA *
1,3 BUTADIENE CON.	WT%	ASTM D4424	40-60

SECONDARY ITEMS

PROPERTY	UNIT	TEST METHOD	NORMAL VALUES
BUTANE'S CONTENT	WT%	ASTM D4424	Max 20
BUTENE'S CONTENT	WT%	ASTM D4424	25-50
ACETYLENE'S CONTENT	WT%	ASTM D4424	Max 3.5
C5'S CONTENT	WT%	ASTM D4424	Max 0.5


\*Acceptance Criteria refers to the parameters which are tested regularly. These items are guaranteed figures.

	<b>DATA SHEET</b>	ISSUE DATE	20/June/2020
	<b>PROPYLENE</b>	<a href="http://WWW.TPCO.IR">WWW.TPCO.IR</a>	
		IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL: +984134282612	

### PRIMARY ITEMS

PROPERTY	UNIT	TEST METHOD	ACCEPTANCE CRITERIA *
PROPYLENE	%MOL	ASTM D2712	Min 99.7
PROPANE	MOL PPM	ASTM D2712	Max 2800
ETHAN	MOL PPM	ASTM D2712	Max 30
ETHYLENE	MOL PPM	ASTM D2712	Max 2
ACETYLENE	MOL PPM	ASTM D2712	Max 1
METHYL ACETYLENE	MOL PPM	ASTM D2712	Max 1
PROPADIENE	MOL PPM	ASTM D2712	Max 2
C4'S	MOL PPM	ASTM D2712	Max 1
METHANE	MOL PPM	ASTM D2712	Max 10
CO	MOL PPM	UOP 603	Max 0.3
CO2	MOL PPM	UOP 603	Max 2

\*Acceptance Criteria refers to the parameters which are tested regularly. These items are guaranteed figures.

	<b>DATA SHEET</b>	ISSUE DATE	20/June/2020
	<b>CRUDE FUEL OIL (C9+ CUT)</b>	<a href="http://WWW.TPCO.IR">WWW.TPCO.IR</a>	
		IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL:+984134282612	


PRIMARY ITEMS

PROPERTY	UNIT	TEST METHOD	ACCEPTANCE CRITERIA *
SP.GR.( @15°C)	-	ASTM D-1298	0.85 - 1.1
FLASH POINT	°C	ASTM D-93	MIN 30

SECONDARY ITEMS

PROPERTY	UNIT	TEST METHOD	NORMAL VALUES
POUR POINT	°C	ASTM D-97	<0

\*Acceptance Criteria refers to the parameters which are tested regularly. These items are guaranteed figures.

	<b>DATA SHEET</b>	ISSUE DATE	20/June/2020
	<b>C6 NON AROMATIC</b>	<a href="http://WWW.TPCO.IR">WWW.TPCO.IR</a>	
		IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL:+984134282612	

### PRIMARY ITEMS


PROPERTY	UNIT	TEST METHOD	ACCEPTANCE CRITERIA *
DOCTOR TEST	-	ASTM D-4952	NEGATIVE
SP.GR.( @ 60°F)	-	ASTM D-1298	0.7-0.8
IBP	°C	ASTM D-86	MIN 35
FBP	°C	ASTM D-86	MAX 110

### SECONDARY ITEMS

PROPERTY	UNIT	TEST METHOD	NORMAL VALUES
C6 CON.	WT%	UOP-744	MIN 50
BENZENE CON.	WT%	UOP-744	MAX 10
OTHERS **	WT%	UOP-744	MAX 40

\*Acceptance Criteria refers to the parameters which are tested regularly. These items are guaranteed figures.


\*\* OTHERS CONSIST OF C4S,C5S AND C7S

	<b>DATA SHEET</b>	ISSUE DATE	20/June/2020
	<b>C7-C9</b>	<a href="http://WWW.TPCO.IR">WWW.TPCO.IR</a>	
		IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL:+984134282612	

PRIMARY ITEMS

PROPERTY	UNIT	TEST METHOD	ACCEPTANCE CRITERIA *
SP.GR.( @ 15°C)	-	ASTM D-1298	0.7-0.95
RVP	PSIG	ASTM D-323	< 10
IBP	°C	ASTM D-86	MIN 50
FBP	°C	ASTM D-86	MAX 205

\*Acceptance Criteria refers to the parameters which are tested regularly. These items are guaranteed figures.

	<b>DATA SHEET</b>	<b>ISSUE DATE</b>	<b>20/June/2020</b>
	<b>PENTANE</b>	<a href="http://WWW.TPCO.IR">WWW.TPCO.IR</a>	
		IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL:+984134282612	

### PRIMARY ITEMS


PROPERTY	UNIT	TEST METHOD	ACCEPTANCE CRITERIA *
<b>PENTANE(N+I)</b>	WT%	UOP-744	MIN 99
<b>BENZENE</b>	PPM wt	UOP-744	MAX 5
<b>TOTAL SULFUR</b>	PPM wt	ASTM D-3246 ASTM D-3120 ASTM D-5453	MAX 50

### SECONDARY ITEMS

PROPERTY	UNIT	TEST METHOD	NORMAL VALUE**
<b>ISO PENTANE</b>	WT%	UOP-744	25
<b>NORMAL PENTANE</b>	WT%	UOP-744	74

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\*\*These items are just for information and not guaranteed figures.


	<b>DATA SHEET</b>	ISSUE DATE	4/JAN/2023
	<b>BUTENE-1</b>	<a href="http://WWW.TPCO.IR">WWW.TPCO.IR</a>	
		IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL:+984134282612	

PRIMARY ITEMS

PROPERTY	UNIT	TEST METHOD	ACCEPTANCE CRITERIA *
<b>BUTENE-1</b>	%MOL	ASTM D-4424-90	MIN 99
<b>OTHER BUTENES</b>	PPM MOLE	ASTM D-4424-90	MAX 2200
<b>NORMAL BUTENE</b>	PPM MOLE	ASTM D-4424-90	MAX 2000
<b>PROPADIENE AND 1,3 BUTADIENE</b>	PPM MOLE	ASTM D-4424-90	MAX 200
<b>TOTAL ACETYLENICS</b>	PPM MOLE	ASTM D-4424-90	MAX 10
<b>C6*S</b>	PPM MOLE	ASTM D-4424-90	MAX 500
<b>ETHANE AND ETHYLENE</b>	PPM MOLE	ASTM D-4424-90	MAX 1400
<b>TOTAL SULFUR</b>	PPM vol	ASTM D-6667-2001	MAX 3
<b>WATER CONTENT</b>	PPM vol	BP217	MAX 20

\*Acceptance Criteria refers to the parameters which are tested regularly. These items are guaranteed figures.



	<b>DATA SHEET</b>	ISSUE DATE	6/Sep/2022
	<b>ETHYLBENZENE</b>	<a href="http://WWW.TPCO.IR">WWW.TPCO.IR</a>	
		IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL:+984134282612	

### PRIMARY ITEMS


PROPERTY	UNIT	TEST METHOD	ACCEPTANCE CRITERIA *
PURITY	%WT	ASTM D-5060	MIN 99.65
DI ETHYLBENZENE (DEB)	PPM wt	ASTM D-5060	MAX 10
BENZENE	%WT	ASTM D-5060	MAX 0.15
OTHERS CON. (As below break down)	%WT	ASTM D-5060	MAX 0.2

### SECONDARY ITEMS

PROPERTY	UNIT	TEST METHOD	NORMAL VALUE**
Toluene	WT%	ASTM D-5060	MAX 0.06
XYLENE	WT%	ASTM D-5060	MAX 0.009
CUMENE	WT%	ASTM D-5060	MAX0.07
NON AROMATICS	WT%	ASTM D-5060	MAX0.05
HEAVIES	WT%	ASTM D-5060	MAX0.011
COLOR	PT-CO SCALE	ASTM 1209	MAX20

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	<b>DATA SHEET</b>	ISSUE DATE	20/June/2020
	<b>STYRENE MONOMER</b>	<a href="http://WWW.TPCO.IR">WWW.TPCO.IR</a>	
		IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL: +984134282612	

PRIMARY ITEMS

PROPERTY	UNIT	TEST METHOD	ACCEPTANCE CRITERIA *
PURITY	%WT	ASTM D-5135	MIN 99.7
COLOR(PT-CO)SCALE	-	ASTM D-1209	MAX 10
POLYMERS	PPM wt	ASTM D-2121	MAX 10
INHIBITOR(AS TBC)	PPM wt	ASTM D-4590	MAX 15**
ALDEHYDES(AS BENZALDEHYDE)	PPM wt	ASTM D-2119	MAX 100
PEROXIDE(AS H2O2)	PPM wt	ASTM D-2340	MAX 50
TOTAL SULFUR	PPM wt	ASTM D-3120	MAX 5
ETHYLBENZENE	PPM wt	ASTM D-5453	MAX 1000
WATER	PPM wt	UOP-481	MAX 150

\*Acceptance Criteria refers to the parameters which are tested regularly. These items are guaranteed figures.


	<b>DATA SHEET</b>	ISSUE DATE	<b>20/June/2020</b>
	<b>TOLUENE (GRADE I)</b>	<a href="http://WWW.TPCO.IR">WWW.TPCO.IR</a>	
		IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL: +984134282612	

PRIMARY ITEMS

PROPERTY	UNIT	TEST METHOD	ACCEPTANCE CRITERIA *
<b>PURITY</b>	%WT	UOP-744	MIN 98
<b>OTHERS**</b>	%WT	UOP-744	MAX 2

\*Acceptance Criteria refers to the parameters which are tested regularly. These items are guaranteed figures.

\*\*Total Non Aromatics, Benzene, Ethylbenzene, Xylenes, Styrene and Heavier.

	<b>DATA SHEET</b>	ISSUE DATE	20/June/2020
	<b>1,3 BUTADIENE</b>	<a href="http://WWW.TPCO.IR">WWW.TPCO.IR</a>	
		IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL: +984134282612	

### PRIMARY ITEMS


PROPERTY	UNIT	TEST METHOD	ACCEPTANCE CRITERIA *
1,3 BUTADIENE	%WT	ASTM D-2593	MIN 99.4
TOTAL ACETYLENICS	PPM	ASTM D-2593	MAX 60
TOTAL BUTENE	%WT	ASTM D-2593	MAX 0.5
VINYL ACETYLENE	PPM	ASTM D-2593	MAX 14
BD DIMER(VCH)	%WT	ASTM D-2426	MAX 0.1
TBC	PPM	ASTM D-1157	50-200

### SECONDARY ITEMS

PROPERTY	UNIT	TEST METHOD	NORMAL VALUE**
1,2 BUTADIENE	PPM	ASTM D-2593	MAX 200
PROPADIENE	PPM	ASTM D-2593	MAX 50
C5'S	PPM	ASTM D-2593	MAX 20
NMP	PPM	GC	MAX 10
PEROXIDE	PPM	ASTM D-5799	MAX 10
CARBONYLS	PPM	ASTM D-4423	MAX 30
WATER	PPM	ASTM D-1744	MAX 300
TOTAL SULFUR	PPM	ASTM D-3246	MAX 10

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	<b>DATA SHEET</b>	ISSUE DATE	22/June/2020
	<b>C4 RAFINATE</b>	<a href="http://WWW.TPCO.IR">WWW.TPCO.IR</a>	
		IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL:+984134282612	

### PRIMARY ITEMS


PROPERTY	UNIT	TEST METHOD	ACCEPTANCE CRITERIA *
<b>1,3BDN</b>	%WT	ASTM D-4424	MIN 1
<b>NMP</b>	%WT	GC METHOD	MAX 0.002

### SECONDARY ITEMS

PROPERTY	UNITS	TEST METHOD	NORMAL VALUE**
<b>Iso- Butane</b>	WT %	G.C	10 Max
<b>Normal Butane</b>	WT %	G.C	20 Max
<b>1-Butene</b>	WT %	G.C	28 Max
<b>Iso-Butene</b>	WT %	G.C	40 Min
<b>Trans-2-Butane</b>	WT %	G.C	10 Max
<b>Cis-2-Butene</b>	WT %	G.C	10 Max
<b>1,2-Butadiene</b>	WT %	G.C	0.05 Max
<b>1,3-Butadiene</b>	WT %	G.C	1 Max
<b>Methyl Acetylene</b>	WT %	G.C	0.1 Max
<b>Vinyl Acetylene</b>	WT %	G.C	0.01 Max
<b>Ethyl Acetylene</b>	WT %	G.C	0.01 Max
<b>C3&amp;Lighter</b>	WT %	G.C	0.4 Max
<b>C5&amp;Heavier</b>	WT %	G.C	0.3 Max
<b>NMP Solvent</b>	PPM	G.C	20 Max
<b>Sulfur</b>	WT %	G.C	1 Max
<b>Water</b>	WT %	Evaporation Method	0.07 Max

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	<b>DATA SHEET</b>	ISSUE DATE	20/June/2020
	<b>PURE NITROGEN(LIQUID)</b>	<a href="http://WWW.TPCO.IR">WWW.TPCO.IR</a>	
		IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL: +984134282612	

PRIMARY ITEMS

PROPERTY	UNIT	TEST METHOD	ACCEPTANCE CRITERIA *
PURITY	MOL %	-	MIN 99.95%
OXYGEN	PPM mol	BP TEST METHOD 215	<=3 PPM
ARGON	PPM mol	-	BAL
WATER CONTENT	-	-	TRACE

\*Acceptance Criteria refers to the parameters which are tested regularly. These items are guaranteed figures.