

ALEOL PLANT  
Equipment List

											בדיקת המצאות בשטח		
											22/03/2023		
Equipment No.	Service	Characteristics								Recommended Ma	Remarks		
		MOC	flow m <sup>3</sup> /h (bar)	Design Press. Barg	Design Tem °C	Diam x Height mm x mm	Volume m <sup>3</sup>	Duty Kcal/hr	Rev.				
1	V- 1003	Pentene Surge Drum	SS316		6 & FV	100 / -15	2800 x 7400	48				EXIST	
2	S - 1008	Trioxane Feeder	SS316									EXIST	
3	R- 1009	Trioxane Melter	SS316		1 & FV	120	1700 x 2650	6			W / Jacket	EXIST	
4	V- 1010	Trioxane Storage Tank	SS316		4 & FV	100	2500 x 6000	30			Jacketed	EXIST	
5	B- 1011	Air Blower									Included in U-1017- condensation package	EXIST	
6	P- 1012	A/B Trioxane Feed Pump	SS316	3.8 (4.9)						Liquiflo	Jacketed , Magnetic pump	EXIST	
7	A- 1013	A R-1013 A Mixer	SS316							EKATO		EXIST	
8	A- 1013	B R-1013 B Mixer	SS316							EKATO		EXIST	
9	R- 1013	A Feed Mix Tank	SS316		6 & FV	100	2600 x 4700	25			W / Jacket	EXIST	
10	R- 1013	B Feed Tank	SS316		6 & FV	100	2600 x 4700	25			W / Jacket	EXIST	
11	P- 1015	Feed Mix Pump	SS316	2.4 (138)						LEVA		EXIST	
12	E- 1016	Feed Evaporator	SS316		135/145	250/340	12" x 3000		210000			EXIST	
13	U- 1017	Condensation Reactor Package										EXIST	
14	E- 1018	Feed Heater	SS316		ATM./150&FV	420/420			190000		Included in U-1017- condensation package	EXIST	
15	R- 1019	Condensation Reactor	SS316		ATM./150&FV	420/420					75-2"-8.0 m tubes , Included in U-1017- condensation package	EXIST	
16	E- 1020	Salt Electrical Heater							288 KW		Included in U-1017- condensation package	EXIST	
17	E- 1021	Salt Cooler	CS						143000		Included in U-1017- condensation package	EXIST	
18	P- 1022	A/B Salt Pumps							8 KW		Included in U-1017- condensation package	EXIST	
19	V- 1023	Salt Drum	CS		ATM.	420	1824 x 4910	14				EXIST	
20	P- 1024	Molten Salt Pump	CS								Specified by MT	EXIST	
21	E- 1025	RX Air Cooler	SS316		40	420	1910 x 3660		350000			EXIST	
22	E- 1026	RX Trim Cooler	SS316		6&FV/7&FV	190/100	8" x 4000		12090			EXIST	
23	V- 1027	Pentene K.O. Drum # 1	SS316		6 & FV	100	750 x 2250	1				EXIST	
24	V- 1028	Pentene K.O. Drum # 2	SS316		6 & FV	100	1500 x 4000	7				EXIST	
25	V- 1030	Depentenizer Column	SS304		5 & FV	165	480/1400 x 10,700					EXIST	
26	P- 1031	A/B Depentenizer Bottoms Pumps	SS316	34 (2.7)						Liquiflo, Hast cove	Magnetic pump	only pump body	1#2
27	E- 1032	Depentenizer Reboiler	SS316		7.5&FV/9&FV	180/180	8" x 2400		140000			EXIST	
28	E- 1033	Depentenizer Condenser	SS316		5&FV/7&FV	-10+40 /-20	16" x 6000		157500			EXIST	
29	E- 1034	Depentenizer Trim Chiller	SS316		7&FV	-45/100			3040		PHE	EXIST	
30	P- 1035	Depentenizer Vacuum Pump	SS316							Edwards	Dry vacuum pump EDP-80	EXIST	
31	V- 1036	Depentenizer Reflux Drum	SS316		5 & FV	-20 / 100	850 x 2100	1.2				EXIST	
32	V- 1039	Stabilized Hexenols Tank	SS316		0.17	100	2300 x 4800	20				EXIST	
33	P- 1040	Stabilized Hexenols Pump	SS316	16 (3.7)						Liquiflo	Magnetic pump	only pump body	
34	A- 1047	R-1047 Mixer	SS316									EXIST	
35	E- 1050	R-1047 Circ. Heater	SS316		22&FV/7&FV	250/200	12" x 2650		258000			EXIST	
36	E- 1051	R-1047 Condenser	SS316		3&FV/7&FV	120/60	17" x 3000		574800			EXIST	
37	E- 1052	R-1047 Trim Chiller	SS316		7&FV/7&FV	-20+40/-20	6" x 4000		7851			EXIST	
38	P- 1053	A Heavies Reactor Vacuum Pump Booster								Edwards	EH-1200	only pump body	
39	A- 1054	Heavies Receiver Mixer	SS316									EXIST	
40	V- 1054	Heavies Receiver	SS316		3 & FV	165	1600 x 4000	8			W / Jacket	EXIST	
41	V- 1055	Lights Drum	SS316		0.17 & FV	100	850 x 2600	1.5			W / Jacket	EXIST	
42	V- 1056	Recovered Methanol Drum	SS316		0.17 & FV	100	850 x 2600	1.5				EXIST	
43	V- 1057	Hexenal Drum	SS316		0.17 & FV	100	900 x 2600	1.5				EXIST	
44	V- 1058	TBR Tank	SS316		0.17	100	1440 x 3700	6				EXIST	
45	V- 1059	Crude Hexenols Tank #1	SS316		0.17	100	1700 x 4400	10				EXIST	

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46	P-1062	Recovered Methanol Pump	SS316	3 (2)							Liquiflo	Magnetic pump	only pump body	
47	P-1063	Hexenal Pump	SS316	5 (2)							Liquiflo	Magnetic pump	EXIST	
48	P-1065	Crude Hexenols Pump	SS316	8 (2)							Liquiflo	Magnetic pump	EXIST	
49	P-1068	Disposal Transfer Pump	SS316	6 (1.9)									only pump body	
50	T-1069	Fresh Methanol Tank	SS316			0.17	40	3000 x 5700	40				EXIST	
51	V-1071	ISEP Feed Drum	SS316			0.17 & FV	100	1800 x 4700	12				EXIST	
52	P-1072	A/B ISEP Feed Pumps	SS316	0.82 (6.1)							Speck	Magnetic pump	EXIST	2#2
53	V-1073	A/B ISEP Feed Guard Bed	SS316			8 & FV	120	440 x 1420	0.22				EXIST	2#2
54	V-1075	Solvent Mix Tank	SS316			0.17	100	2000 x 5100	16				EXIST	
55	V-1078	Solvent Guard Bed	SS316			9.5 & FV	100	1400 x 600	1.3				EXIST	
56	E-1079	Solvent Preheater	SS316			7.5&FV/9.5&FV	180/180	8" x 2800		551900			EXIST	
57	U-1084	ISEP Unit									CALGON CCC	50 m3 10 Columns , 2" PTFE Valve	EXIST	
58	P-1088	ISEP Booster Pump	SS316	27 (3.5)							Liquiflo	P-1085,1086,1087,1088, 1089 have a common spare pump P-1085B, Ma	EXIST	
59	P-1089	Isepurge Pump	SS316	19.9 (3)							Liquiflo	P-1085,1086,1087,1088, 1089 have a common spare pump P-1085B, Ma	EXIST	
60	V-1090	Reload Drum	SS316			6.9 & FV	100	1800 x 5000	12				EXIST	
61	E-1092	Enrichment Cooler	SS316			6&FV/7&FV	100/60	12" x 5500		342100			EXIST	
62	V-1096	A/B Media storage tanks	SS316			3.2 & FV	100	1800x 2100	5				EXIST	2#2
63	V-1100	Extract Column Feed Drum	SS316			0.17 & FV	100	1200 x 3600	4				EXIST	
64	V-1102	Extract Column	SS304			3 & FV	165	950-1400 X 9150					EXIST	
65	P-1103	A/B Extract Column Bottoms Pumps	SS316	41 (3)							Liquiflo, Hast cove	Magnetic pump	only pump body	1#2
66	E-1104	Extract Column Reboiler	SS316			7.5&FV/6&FV	180/180	14" x 4900		1220000			EXIST	
67	E-1105	Extract Column Condenser	SS316			3&FV/7&FV	100/60	22" x 5500		1200000			EXIST	
68	P-1108	Extract Column Vacuum Pump	SS316								Edwards	Dry Vacuum Pump EDP-80	EXIST	
69	P-1110	A/B EXtract Column Reflux Pumps	SS316	5.7 (2.2)							Liquiflo	Magnetic pump	only pump body	1#2
70	V-1112	Raffinate Feed Drum	SS316			0.17 & FV	100	1200 x 2700	3				EXIST	
71	V-1114	Raffinate Column	SS304			3 & FV	165	750-1550 x 11595					EXIST	
72	P-1115	A/B Raffinate Column Bottoms Pump									Liquiflo, Hast cove	Magnetic pump	EXIST	1#2
73	E-1116	Raffinate Column Reboiler	SS316			7.5&FV/6&FV	180/180	13.25" x 4000		706900			EXIST	
74	E-1117	Raffinate Column Condenser	SS316			3&FV/7&FV	100/60	17.3" x 5500		658900			EXIST	
75	P-1120	Raff. Column Vacuum Pump	SS316	3 (2.2)							Edwards	Dry vacuum pump EDP-80	EXIST	
76	P-1122	A/B Raffinate Column Reflux Pumps	SS316	3 (2.2)							Speck	Magnetic pump	only pump body	1#2
77	V-1124	Trans Hexenol Tank	SS316			0.17	100	2400 x 5500	25				EXIST	
78	V-1126	Recovered Solvent Tank	SS316			0.17	100	1800 x 4700	12				EXIST	
79	V-1128	Off spec solvent tank	SS316			6.9& FV	100	1800 x 5000	12				EXIST	
80	V-1129	Isepurge Feed Drum	SS316			0.17 & FV	100	1200 x 2700	3				EXIST	
81	V-1131	Isepurge Column	SS304			3 & FV	165	600-1400 x 8945					EXIST	
82	P-1132	A/B Isepurge Column Bottoms Pumps	SS316	32 (4)							Liquiflo, Hast cove	Magnetic pump	EXIST	2#2
83	E-1133	Isepurge Column Reboiler	SS316			7.5&FV/6&FV	180/180	12" x 1800		558700			EXIST	
84	E-1134	Isepurge Column Condenser	SS316			3&FV/7&FV	80/60	15.25" x 5500		551300			EXIST	
85	P-1138	A/B Isepurge Column Reflux Pumps	SS316	2 (3)							Speck	Magnetic pump	EXIST	2#2
86	R-1142	A/B Polishing Reactors	SS316			3 & FV	100	I.D.: 457	1.4				EXIST	
87	R-1147	Isomerization Reactor	SS316			3 & FV	200	2500 x 4000	20			W / Jacket	EXIST	
88	V-1148	Isomerization Column	SS304			3 & FV	165	800 x 6400					EXIST	
89	E-1150	R-1147 Circ. Heater	SS316			22&FV/6&FV	250/200	10" x 2700		285000			EXIST	

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90	P- 1155										Edwards	Dry vacuum pump EDP-80	EXIST	
91	V- 1159			3 & FV	100	1000 x 2500		2					EXIST	
92	V- 1160			0.17	100	2500 x 5100		25					EXIST	
93	V- 1164			0.17	100	2300 x 4800		20					EXIST	
94	T- 1168			0.17	100	1700 x 4400		10					EXIST	
95	V- 1172			0.17	100	1600 x 4000		8					EXIST	
96	P- 1173		4 (2)	2/3							Liquiflo	Magnetic pump	EXIST	
97	V- 1174			1	350	1300 x 4000		5.3					EXIST	
98	P- 1175			5									EXIST	
99	U- 1190		180 KG/H	1 & FV/16 barg	250/250						CHANGSHU		EXIST	
100	V- 1192			1 & FV	-20/100	12"x1500		0.109				Included in WFE	EXIST	
101	V- 1195			3 & FV	180	1300 x 3000		4				W / Jacket	EXIST	
102	V- 1214			3 & FV	100	480 x 1250		0.24					EXIST	
103	V- 1218			1	100	305x6900							EXIST	
104	T- 1219			0.17	100	1500x1500		2.6					EXIST	
105	V- 1220	A/B		ATM.	AMB			2					EXIST	
106	P- 1221		4.1 (1.7)	2.1									EXIST	
107	V- 1223			0.17	100	1450 x 3600		6					EXIST	
108	P- 1224												EXIST	
109	V- 1225			3 & FV	-10/100	457 x 1650		0.27					EXIST	
110	V- 1238			5 & FV	-45/100	12"x1500		0.109				Jacketed. Previous name SP-1002	EXIST	
111	V- 1239			3 & FV	-20/100	18"x1500		0.25				Jacketed. Previous name SP-1005	EXIST	
112	V- 1240			3 & FV	-20/100	12"x1500		0.109				Jacketed. Previous name SP-1006	EXIST	
113	V- 1241			3 & FV	-20/100	12"x1500		0.109				Jacketed. Previous name SP-1007	EXIST	
114	V- 1242			3 & FV	-20/100	12"x1500		0.109				Jacketed. Previous name SP-1008	EXIST	
115	V- 1243			2 & FV	-20/100	12"x1500		0.109				Jacketed. Previous name SP-1020	EXIST	
116	V- 1254												EXIST	
116	V- 1271	A-B											EXIST	
117	R- 9030												EXIST	
118	E- 9031											Included in U-1233 - Oxidizer unit	EXIST	
119	E- 9032											Included in U-1233 - Oxidizer unit	EXIST	
120	C - 9033											Included in U-1233 - Oxidizer unit	EXIST	
121	P- 9037	A/B	PW supply pumps										EXIST	2#2
122	V- 9039		Flash tank		7.5	250	457x1500	0.246					EXIST	
123	U- 9040		DCM unit						33384				EXIST	
124	V- 9050												EXIST	
125	V- 9052												EXIST	
126	V- 9053												EXIST	
127	V- 9055												EXIST	











































































