



FATTY ACID FRACTIONATION & DISTILLATION FEED TO TRAY NO. 17,  
REFLUX TO NO. 1.  
CASE : 1, COCONUT FATTY ACID, PRECUT C6 - C10  
PURITY : 95 % TOP, 99.5 % BOTTOM

NAVSARI  
65133 - 00- GDO  
11 / 88

LINE TAG	MEDIUM	QUANTITY kg / hr	TEMPERATURE °C	PRESSURE bar abs
1	CRUDE FATTY ACID	6580	60	
2	CRUDE FATTY ACID	6580	80	
3	CRUDE FATTY ACID	6580	86	
4	CRUDE FATTY ACID	19486	95	
5	CRUDE FATTY ACID	19486	105	
6	CRUDE FATTY ACID	6453	100	
7	CRUDE FATTY ACID	6453	152	
8	CRUDE FATTY ACID	6453	157	
9	CRUDE FATTY ACID	6453	180	
10	FATTY ACID VAPOUR	2862	178	0, 075
11	FATTY ACID C6 - C10	2836	130	
12	REFLUX FATTY ACID	2026	130	
13	BOTTOM PRODUCT	5637	231	0, 12
14	BOTTOM PRODUCT	0	--	
15	FA - DISTILLATE	5234	190	
16	FA - DISTILLATE	5234	128	
17	FA - DISTILLATE	5234	103	
18	FA - DISTILLATE	5234	60	
19	FATTY ACID C6 - C10	810	90	
20	FATTY ACID C6 - C10	810	60	
21	HEAVY ENDS VAPOURS	530	240	
22	HEAVY ENDS DIST.	0	--	

LINE TAG	MEDIUM	QUANTITY kg / hr	TEMPERATURE °C	PRESSURE bar abs
23	HEAVY ENDS DIST.	0	--	
24	HEAVY ENDS DIST.	530	230	
25	FATTY ACID RESIDUE	403	235	
26	FATTY ACID RESIDUE	403	176	
27	FATTY ACID RESIDUE	403	80	
28	H <sub>2</sub> O + FA VAPOURS	132	70	0, 07
29	H <sub>2</sub> O + AIR	127 + 8	40	0, 07
30	FATTY ACID	5	40	0, 07
31	WC COOLING WATER	1000	34	3
32	SL STEAM	250	143	4
33	OTH THERMAL OIL	53000	255	3
34	OTH THERMAL OIL	53000	275	3
35	SL STEAM	20	143	4
36	VAPOUR	**		
37	VAPOURS + AIR	26 + 8		0, 07
38	WC COOLING WATER	21100	50	3
39	WC COOLING WATER	1600	40	3
40	WC COOLING WATER	6550	50	3
41	OTH THERMAL OIL	12170	275	3
42	SL STEAM	15	143	4
43	SL STEAM	10	143	4
44	OTH THERMAL OIL	40300	275	3
45	OTH THERMAL OIL	40300	255	3
46	SL STEAM	660	143	4
47	VAPOUR + AIR	25 + 8		0, 004

LINE TAG	MEDIUM	QUANTITY kg / hr	TEMPERATURE °C	PRESSURE bar abs
48	VAPOUR	**		
49				
50	SL STEAM	56	143	4
51	WCT COOLING WATER	1200	65	3
52	WCD COOLING WATER	**		3
53	SL STEAM	**	190	11
54	WCD COOLING WATER	**		
55	OTH THERMAL OIL	4500	255	3
56	OTH THERMAL OIL	4500	275	3
57	WCD COOLING WATER	**		
58	WCT COOLING WATER	5500	54	3
59	WCT COOLING WATER	0	---	3
60	VAPOUR	---	---	
61	WCT COOLING WATER	16300	64	3
62	WCT COOLING WATER	16300	50	3
63	WC COOLING WATER	23200	32	3
64	WC COOLING WATER	23200	42	3
65	OTH THERMAL OIL	12170	262	3
66	WCT COOLING WATER	9600	70	3
	** = FROM SUPPLIER OF VACC. EQUIPMENT			

0	ISSUED FOR COMMENTS	MRH	AS	PS	6/01/2016
REV.	DESCRIPTION	DRN	CHD.	APP	DATE
REVISION BLOCK					

V V F LIMITED					
V 41, MIDC Industrial Area, Talaja, Dist. Raigad - 410208, Maharashtra					
TITLE FATTY ACID FRACTIONATION & DISTILLATION PROCESS FLOW DIAGRAM					
DRN	CHD.	APP	SCALE	DATE	NO. OF SHEET
MRH	AS	PS	NTS	6/01/2016	1 of 1
					DRG. NO.
					VVF-FD-0106-0
					REV
					00