

		Southern Adish Gas Condensate Refinery Project							 ADISH Southern Adish Gas Condensate Refinery company
		INSTRUMENT DATA SHEETS FOR							
		SIGHT GLASS - SWS							
Class : 1		Project	Phase	Unit	Disc	Type	Seq. No	Rev.	Page : 10 of 11
		SACR	DE	SWS	IN	DSH	5006	02	
Sight Glass									
GENERAL	1	Tag Number					SGL-509-004		
	2	Service					TK-509-01		
	3	P & ID No.		Vessel No.		SACR-DE-SWS-PR-PID-1210		N/A	
	4	Line No.	Piping Class	Line Sch./Thickness		HCS-2"-509-101-B1C3N-PT		B1C3N	Sch 160 / 8.74
	5	Hazardous Area Classification					Zone 2, IIC, T3		
	6								
DESIGN INFORMATION	7	Type					Flap (VTC)		
	8	Window	Window Size		Full View		(VTA)		
	9	Glass Dimention					(VTA)		
	10	Installation Position					Vertical		
	11	Connection: Type	Size	Rating	Facing	Flanged	2" (VTC)	150#	
	12	Flange Face Finish		Flange Standard		125-250 AARH		ASME B16.5	
	13	Instrument Protection					N/A		
PROCESS CONDITIONS	14	Fluid		Phase		Stripped Water		Liquid	
	15	Flow				Unit	Minimum	Normal	Maximum
	16						NNF		kg/h
	17	Temperature	Minimum	Normal	Maximum	Unit	2	57	°C
	18	Pressure	Minimum	Normal	Maximum	Unit	Atm.	Atm.	1
	19	Operating Pressure		Design Pressure		Unit	3.5		bar(g)
	20	Operating Temperature		Design Temperature		Unit	85		°C
	21	Compressibility Factor (Z)					-		
	22	Pressure Loss Maximum (Allowable)				Unit	0.01		Bar
	23	Operating Density		Density @ Base		Unit	983	1000	kg/m3
	24	Vacuum Possibility					-		
	25	Maximum Velocity				Unit	1		m/s
	26	CP/CV					-		
	27	Operating Viscosity				Unit	0.52		mPa.s
	28	Comply with NACE MR 01-75/ISO 15156		Cold Service			YES		
	29	Fluid Aggregate					YES		
	30	Pressure Test					(VTA)		
	MATERIAL INFORMATION	31	Body					ASTM A106 GR.B (VTC)	
32		Flange					ASTM A105N (VTC)		
33		Glass Holder					ASTM A106 GR.B (VTC)		
34		Gasket					INNER RING: SS316, CENTERING RING: C.S, HOOP: SS316, FILLER: GRAPHITE		
35		Bolt / Nut					ASTM A193 GR.B7 / ASTM A194 GR.2H		
36		Window					Borosilicate Glass,Safety type and UV resistance, Shatter Proof (Safety Glass)		
37		Flapper					S.S 316		
38									
PURCHASE	39	Manufacturer					Will be selected later		
	40	Model					(VTA)		
	41	Requisition Number							
	42								
<u>Notes:</u>									