Crystal Blue
Water Structuring Unit

SURFACE TENSION REPORT FROM INDIA

CENTER OF EXCELLENCE - INDUSTRIAL / HOME TEXTILES

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TEST REPORT

Report No: 669 **Report Date:** 10.12.2015

Name of the Customer: M/s.Vantex Ltd,Coimbatore

Description of the Sample: Water

Sample Received Detail: COE/12/15/669 DT: 10.12.2015

Type of test: Surface Tension

TEST RESULTS:

S.No	Sample	Surface Tension (mN/m)
1	1-Befor Filter	**58.0**
2	2-After filter	**48.3**

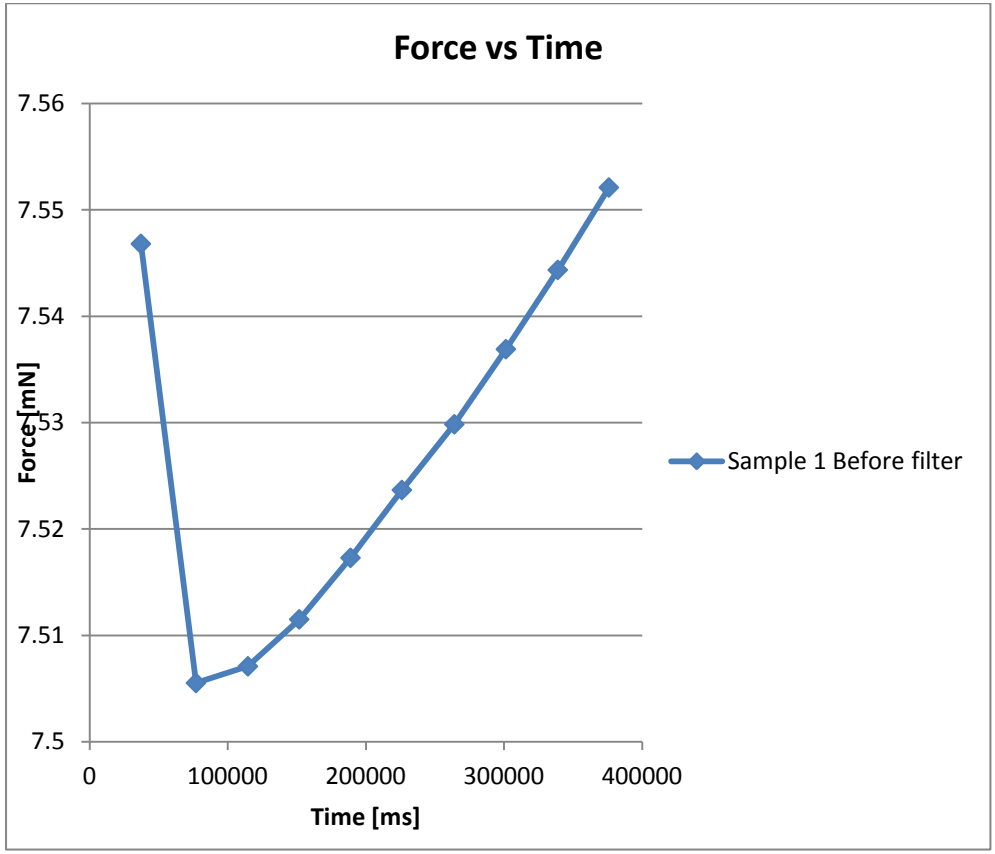
QA1 **VMK**

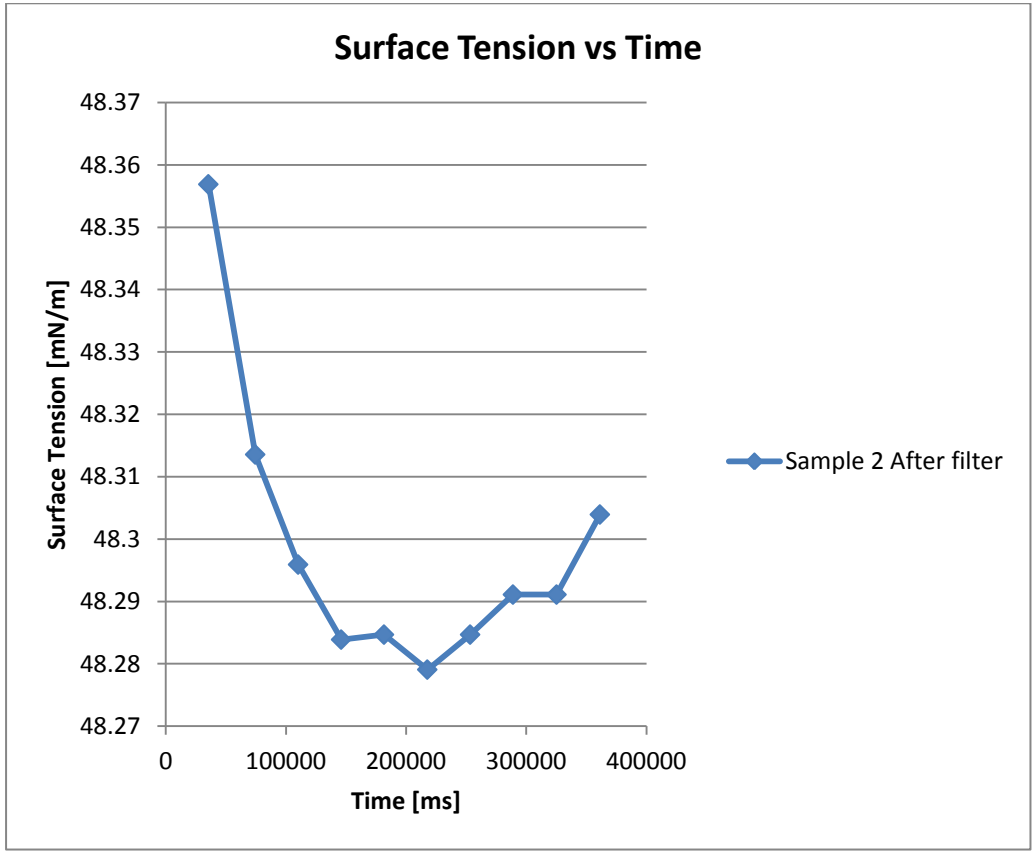
Tested by **Technical Manager**

This is computer generated report no need of signature

SAMPLE ONE -

UNSTRUCTURED WATER - Before going through Crystal Blue Ent Water Structuring Unit



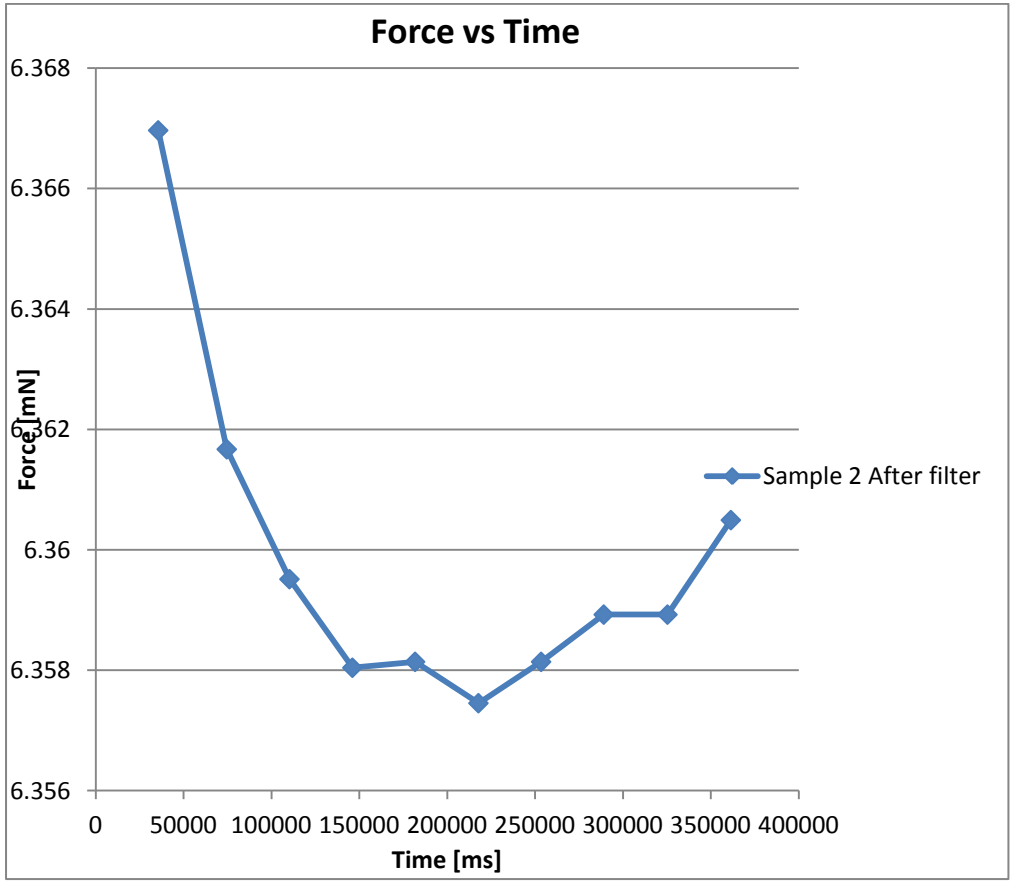


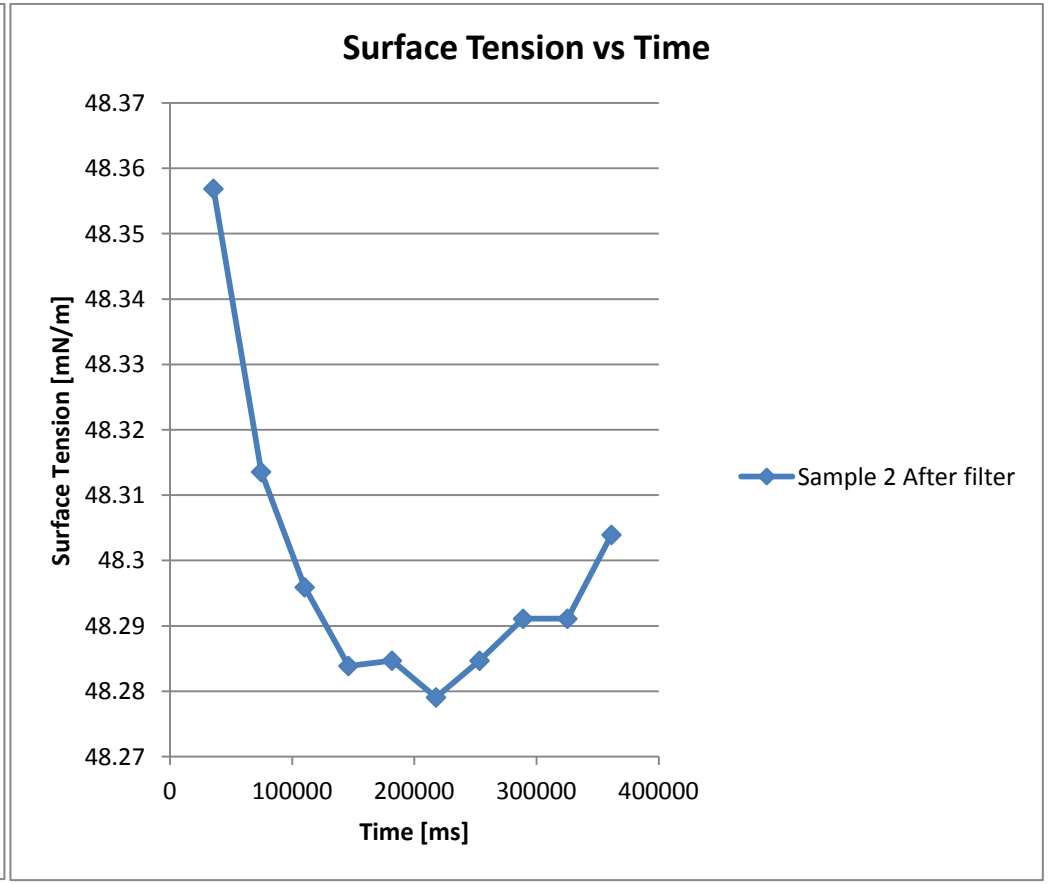
A1 | Measurement "Sample 1 Before filter"

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	**Measurement "Sample 1 Before filter"**														
2															
3	**Configuration**				**ID**	**Time [ms]**	**Force [mN**	**Mass [g]**	**Surface Te**	**Avg. SFT [mN/r**	**Std.Dev. S**	**Lamella H**	**Temperature [°C]**		
4	Liquid:	Water			0	37140	7.546806	0.76956	58.08071			3.581	25.82741		
5	Solid/Probe:	Krüss Standard Ring			0	77017	7.50552	0.76535	57.73814			3.4308	25.84927		
6	Gas phase:	Air			0	114609	7.507089	0.76551	57.75116			3.4198	25.87854		
7					0	151761	7.511502	0.76596	57.78777			3.429	25.912		
8	**Procedure Parameters**				0	188899	7.517288	0.76655	57.83577	57.83870951	0.140488	3.4382	25.93725		
9	CompDevices	K100			0	226075	7.523662	0.7672	57.88866	57.80029881	0.062251	3.4473	25.94713		
10	ScriptName	K1HRSS			0	264066	7.52984	0.76783	57.93992	57.84065461	0.07581	3.4167	25.95799		
11	DetectionSpeed [mm/min]	6			0	301370	7.536901	0.76855	57.99851	57.89012541	0.083158	3.4351	25.97708		
12	DetectionSensitivity [g]	0.005			0	338961	7.544354	0.76931	58.06036	57.94464458	0.088464	3.4245	25.9966		
13	SearchSpeed [mm/min]	6			0	375908	7.552101	0.7701	58.12466	58.00242303	0.09376	3.4433	26.0197		
14	SearchSensitivity [g]	0.005													
15	MeasSpeed [mm/min]	3													
16	MeasSensitivity [g]	0.001													
17	ImmersDepth [mm]	3													
18	Values	10													
19	ValsForMean	5													
20	StdDeviationSFT [mN/m]	0													
21	Correction	1													
22	ReturnDistance [%]	10													
23	EnableMassValues	FALSE													
24	Vessel	<Binary>													
25	GravAccel [m/s²]	9.80665													
26	AddScriptInfo	Name=K1HRSS,Version=3.2.2.3011,Date=31-AUG-2010,"Author=KRUSS GmbH, Hamburg","Company=KRUSS GmbH, Hamburg",Language=409h,Type=0,Certified=-1													
27															
28	**Results**														
29	SFTAvg [mN/m]	58.00242303													
30															

SAMPLE TWO -

STRUCTURED WATER After going through Crystal Blue Ent Water Structuring Unit





A1 | Measurement "Sample 2 After filter"

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	**Measurement "Sample 2 After filter"**															
2																
3	**Configuration**				**ID**	**Time [ms]**	**Force [mN**	**Mass [g]**	**Surface Te**	**Avg. SFT [**	**Std.Dev. S**	**Lamella H**	**Temperature [°C]**			
4	Liquid:	Water			0	35589	6.366968	0.64925	48.35688			3.4419	25.20869			
5	Solid/Probe:	Krüss Standard Ring			0	74595	6.361672	0.64871	48.31356			3.2612	25.25959			
6	Gas phase:	Air			0	110293	6.359514	0.64849	48.29591			3.2516	25.29929			
7					0	146099	6.358043	0.64834	48.28388			3.2511	25.32813			
8	**Procedure Parameters**				0	181763	6.358142	0.64835	48.28468	48.30698	0.03036	3.2609	25.35367			
9	CompDevices	K100			0	217795	6.357455	0.64828	48.27907	48.29142	0.013832	3.2507	25.38249			
10	ScriptName	K1HRSS			0	253462	6.358142	0.64835	48.28468	48.28565	0.006198	3.2604	25.40145			
11	DetectionSpeed [r	6			0	289097	6.358926	0.64843	48.2911	48.28468	0.004282	3.2706	25.42943			
12	DetectionSensitivi	0.005			0	325364	6.358926	0.64843	48.2911	48.28613	0.005086	3.2508	25.45188			
13	SearchSpeed [mm	6			0	361434	6.360495	0.64859	48.30394	48.28998	0.009279	3.2404	25.45945			
14	SearchSensitivity [	0.005														
15	MeasSpeed [mm/	3														
16	MeasSensitivity [g	0.001														
17	ImmersDepth [mn	3														
18	Values	10														
19	ValsForMean	5														
20	StdDeviationSFT [r	0														
21	Correction	1														
22	ReturnDistance [%	10														
23	EnableMassValues	FALSE														
24	Vessel	<Binary>														
25	GravAccel [m/s²]	9.80665														
26	AddScriptInfo	Name=K1HRSS,Version=3.2.2.3011,Date=31-AUG-2010,"Author=KRUSS GmbH, Hamburg","Company=KRUSS GmbH, Hamburg",Language=409h,Type=0,Certified=-1														
27																
28	**Results**															
29	SFTAvg [mN/m]	48.28997729														
30																