Metal Corrosion Glass Test 30% (V) solution in Water.

Temperature 88(+-) 2Deg. Celsius

Time 14 Days.

Metal		Change of Mass		
	Requirement (+-)	Set 1	Set 2	Average
Aluminum	0.30	0.026	0.023	0.024
Cast Iron	0.30	0.24	0.027	0.025
Steel	0.15	0.020	0.012	0.020
Brass	0.15	0.016	0.036	0.026
Solder	0.30	0.016	0.024	0.20
Copper	0.15	0.016	0.024	0.020
Appearance	No Visual helicable corrosion on test pieces	Pass	Pass	Pass
Foaming During Test	No Foam Out	Pass	Pass	Pass
After Test:- Change in RA(%)	15(Max.)	12.5	8.6	10.05
Liquid Phase change in colour	None	None	None	None
Percipitation(V%)	0.5 (Max.)	0.005	0.002	0.012

Comments: Sample passes all the tests with good margin.

Specifications according to JIS-K-2234-87

Test Description	Specified Value as per JIS-K-2234	Results Set I	Set II	Set III	Mean Value
Metal Corrosion Property 30% Vol% Blending aqueous solution 88+2Deg.C,336+2h			**For metal test pieces weight changes in mg/cm**		
Aluminum Casting	**0.30**	**-0.027**	**+0.019**	**-0.073**	**-0.027**
Cast Iron	**0.30**	**+0.035**	**-0.196**	**-0.002**	**-0.054**
Steel	**0.15**	**-0.004**	**-0.071**	**+0.015**	**-0.020**
Brass	**0.15**	**-0.302**	**-0.119**	**-0.181**	**-0.201**
Solder	**0.30**	**-0.055**	**-0.230**	**-0.032**	**-0.106**
Copper	**0.15**	**-0.197**	**-0.225**	**-0.168**	**-0.197**
Appearance	**No visually noticeable corrosion**		**No visually noticeable corrosion. But change in colour of Brass & copper strips**		
Foaming During Test	**No Foam**		**No Foam**		
After Test:- ph	**6.5 to 11**	**7.25**	**7.3**	**7.3**	**7.28**
Change of ph	**+1.0**	**-0.45**	**-0.40**	**-0.40**	**-0.42**
Change of Reserved alkalinity	**To be reported**	**42.52**	**52.68**	**45.97**	**47.05**
Liquid Phase	**No significant change in colour**		**No significant change in colour**		
Amount of precipitates Vol%	**0.5 max.**	**Nil**	**Nil**	**Nil**	**Nil**