TEST REPORT

Reissuance(R1)
Date : 2017.11.20

Modification(M1)
Date : 2017.11.20

1. NO :
2. Client
   - ○ Name :
   - ○ Address :
3. Date of Test : 2017.10.31 ~ 2017.11.14
4. Use of Report : Quality control
5. Test Sample : Electrolysed water produced by electrolysis device (low conc.)
6. Test Method
   (1) Provided by client
7. Test Results

1) Electrolysed water produced by electrolysis device (low conc.)

Test Item(s)	Unit	Test Method	Test Results	Remark
Deodorization: Trimethylamine, Hydrogen sulfide, Methyl mercaptan, Aetaldehyde, Toluene	%	(1)	Attatched page	(22.4 ± 0.3) ℃ (41.6 ± 0.7) % R.H.

Affirmation	Tested By Name :	Technical Manager Name :

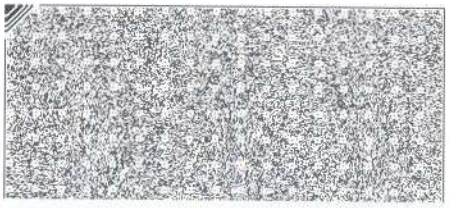
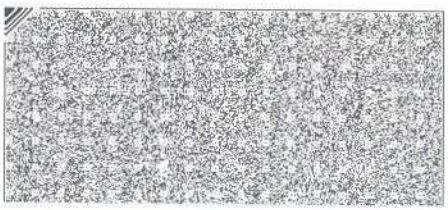
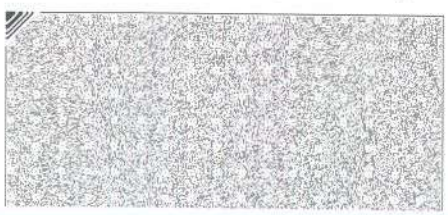
Our report apply only to the standards or procedures identified and to the sample(s) tested unless otherwise specified. The test results are not indicative of representative of the qualities of the qualities of the lot from which the sample was taken or of apparently identical or similar products.

2017.11.14

Conformity Laboratories President

Address :

Result Inquiry :

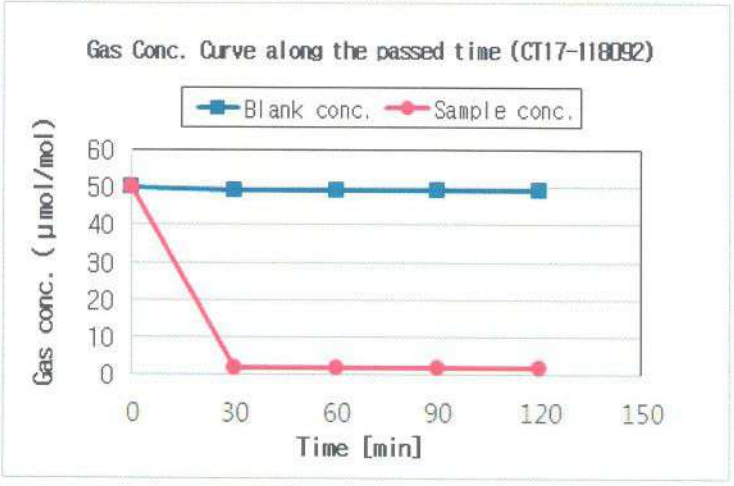
TEST REPORT

No :

7. Test Results

Test Items		Unit	Test method	Test Results			Testing Environment
				Blank conc. (μmol/mol)	Sample conc. (μmol/mol)	Conc. decreasing rate (%)	
Deodorization test Trimethylamine $(CH_3)_3N$	0 min	%	(1)	50	50	0.0	(22.4 ± 0.3) ℃ (41.6 ± 0.7) % R.H.
	30 min	%		49	2	95.9	
	60 min	%		49	2	95.9	
	90 min	%		49	2	95.9	
	120 min	%		49	2	95.9	

※ Detection limit 0.2 μmol/mol



-20-01-08(5)

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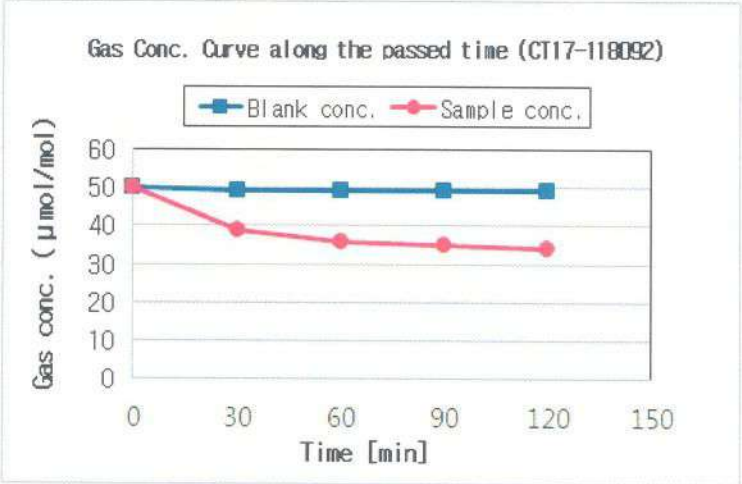
7. Test Results

Test Items		Unit	Test method	Test Results			Testing Environment
				Blank conc. (μmol/mol)	Sample conc. (μmol/mol)	Conc.decreasing rate (%)	
Deodorization test Hydrogen sulfide H_2S	0 min	%	(1)	50	50	0.0	(22.4 ± 0.3) ℃ (41.6 ± 0.7) % R.H.
	30 min	%		49	39	20.4	
	60 min	%		49	36	26.5	
	90 min	%		49	35	28.6	
	120 min	%		49	34	30.6	

※ Detection limit 0.1 μmol/mol



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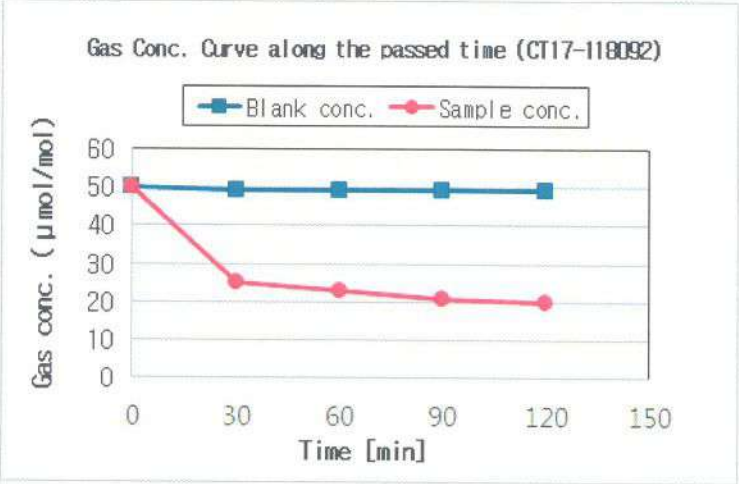
7. Test Results

Test Items		Unit	Test method	Test Results			Testing Environment
				Blank conc. (μmol/mol)	Sample conc. (μmol/mol)	Conc. decreasing rate (%)	
Deodorization test Methyl mercaptan CH_3SH	0 min	%	(1)	50	50	0.0	(22.4 ± 0.3) ℃ (41.6 ± 0.7) % R.H.
	30 min	%		49	25	49.0	
	60 min	%		49	23	53.1	
	90 min	%		49	21	57.1	
	120 min	%		49	20	59.2	

※ Detection limit 0.1 μmol/mol



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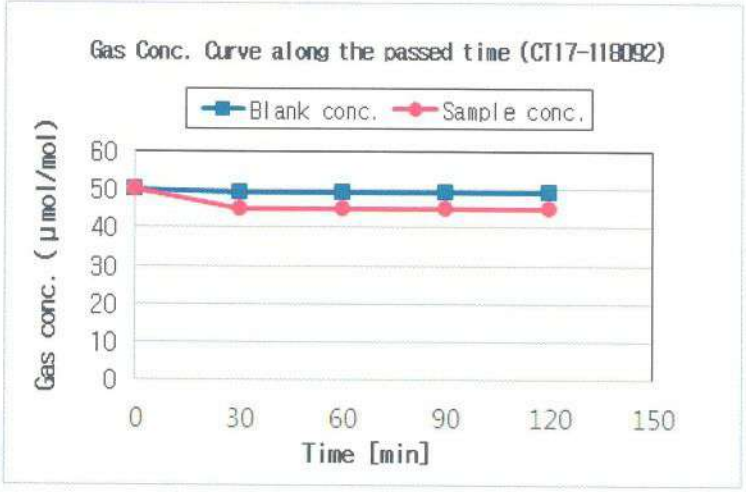
No :

7. Test Results

Test Items		Unit	Test method	Test Results			Testing Environment
				Blank conc. (μmol/mol)	Sample conc. (μmol/mol)	Conc.decreasing rate (%)	
Deodorization test Toluene $C_6H_5CH_3$	0 min	%	(1)	50	50	0.0	(22.4 ± 0.3) ℃ (41.6 ± 0.7) % R.H.
	30 min	%		49	45	8.2	
	60 min	%		49	45	8.2	
	90 min	%		49	45	8.2	
	120 min	%		49	45	8.2	

※ Detection limit 0.5 μmol/mol



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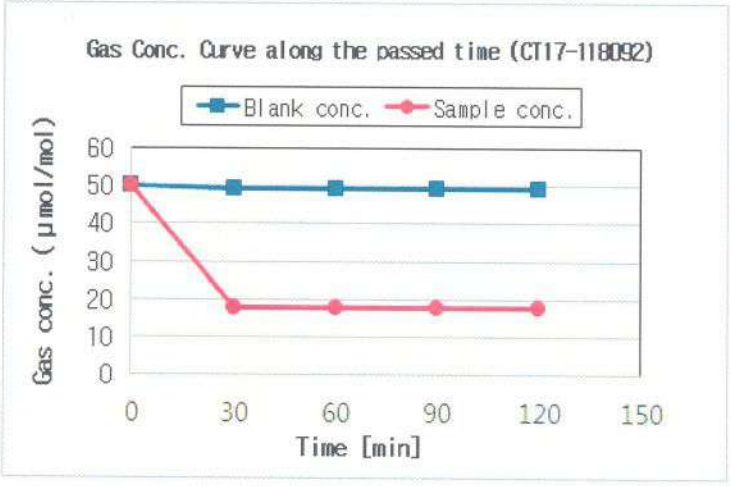
7. Test Results

Test Items		Unit	Test method	Test Results			Testing Environment
				Blank conc. (μmol/mol)	Sample conc. (μmol/mol)	Conc.decreasing rate (%)	
Deodorization test Acetaldehyde CH_3CHO	0 min	%	(1)	50	50	0.0	(22.4 ± 0.3) ℃ (41.6 ± 0.7) % R.H.
	30 min	%		49	18	63.3	
	60 min	%		49	18	63.3	
	90 min	%		49	18	63.3	
	120 min	%		49	18	63.3	

※ Detection limit 0.25 μmol/mol



※ Test method Provided by client

1. 20 mL sample by client which was put into the 5 L sized deodorization test chamber.
2. The test gas was injected as 50 μmol/mol and then the concentration of test gas was measured at beginning, 30 min, 60 min, 90 min, 120 min after. This measurement result was named sample conc.
3. The concentration of test gas was measured by the method in .12218-6218.
4. The temperature was (23.0 ± 5.0) ℃, the humidity was (50 ± 10) % R.H. during the test.
5. Separately, 2~4 test was fulfilled without the test sample, and that test result was named blank conc..
6. The Conc. decreasing rate at each test time was calculated with next equation. The Conc. decreasing rate (%)=[{(blank conc.)-(sample conc.)}/(blank conc.)×100.End.

----- End of Report -----