



TEST REPORT



Report No. : 16-042947-01-1

Page of Pages : (1) / (4)



1. Client

Name : BIODEN Co.,Ltd.

Address : #A-803, 119, Gasan digital 1-ro Geumcheon-gu, Seoul, Korea(Gasan-dong, SK Twintech Tower)

Date of Receipt : 2016. 07. 20.

2. Use of Report : Quality control

3. Test Sample

Description : Etching(acid) solution-atmosphere et al.

Manufacturer : specimen is presented by the applicant

Model Name : * * *

Serial Number : * * *

Remark : * * *

4. Date of Test : 2016. 07. 22. ~ 2016. 08. 08.

5. Test Standard/Method : Refer to the attached results

6. Testing Environment : Temperature : (25.0 ± 10.0) °C , Humidity : (45.0 ± 10.0) % R.H.

7. Test Results : Refer to the attached results

- Note : 1. The test results contained apply only to the test sample(s) supplied by the client
 2. This test report shall not be reproduced in full or in part without approval of the KTL in advance.

Affirmation	Tested by		Technical Manager	
	Name : Lee Jae-hoon		Name : Shin Hyun-Gyoo	

2016. 08. 11.

Korea Testing Laboratory



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FP204-03-03



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Test Results

1. Test specimen information

1.1 Specimen information

Name	Model	Lot No.	Quantity
Etching(acid) solution-atmosphere	-	-	4 ea
Etching(acid) solution-outside chamber(right)			
Etching(acid) solution-outside chamber(left)			
Etching(acid) solution-inside chamber			

1.2 Specimen photo

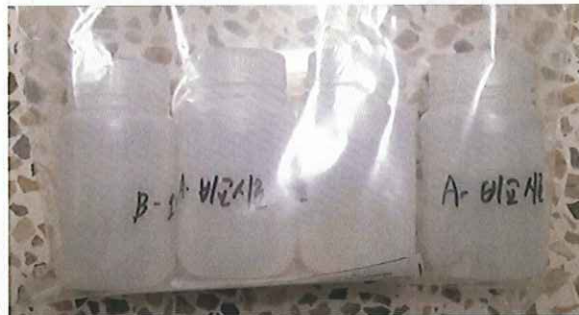


Photo 1. Specimen Photo

1.3 Test item : Ion chromatographic analysis

2. Test standard and method

2.1 Test standard

2.1.1 Ion chromatographic analysis : KS M 0035 : 2008

2.2 Test method

2.2.1 Ion chromatographic analysis : After exposing 1hour the 100ml distilled water to the inside and outside of chamber analyzed Ion chromatographic



3. Test result

3.1 Ion chromatographic analysis

(unit : mg/L)

element	result			
	Etching (acid) solution - atmosphere	Etching (acid) solution - outside chamber (right)	Etching (acid) solution - outside chamber (left)	Etching (acid) solution - inside chamber
F ⁻	Not detected	0.012	0.006	0.77
Cl ⁻	Not detected	Not detected	Not detected	0.005
NO ₃ ⁻	Not detected	<0.005	<0.005	1.30
SO ₄ ²⁻	Not detected	<0.005	<0.005	0.062

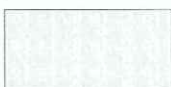
4. Test conditions

4.1 Temperature : (25 ± 10) °C

4.2 Humidity : (45 ± 10) % R. H.

5. Test Instrument

Instrument	Manufacture	Model
Ion Chromatograph	DIONEX	ICS-2000

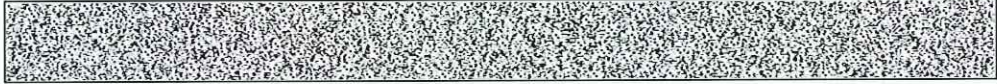
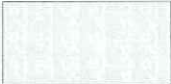


6. Supplement



Photo 2. Experiment Photo

the End.



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