

Certified Test Report

Report No. : 2017-0554F

Date of Report : 01/ 02/ 2018

Requested by : : NAE WOI KOREA., Ltd

Type of Product : Mineral Water Base Metal Coating

This report was prepared and certified by
Korea Electronics Technology Institute

Korea Electronics Technology Institute

The product tested in this report has been provided by the test request. The information contained in this report is designed to improve and enhance the quality level of the product. But, it is provided with the understanding that the requester is not engaged in rendering legal, accounting, engineering, or other professional services. KETI disclaims any responsibility or liability for the use of this information outside of its original purpose.

#25 Saenari-ro, Bundang-gu, Seongnam-si, Gyeonggi-do 463-816, KOREA
Tel : +82-31-789-7298, Fax : +82-31-789-7299 <http://www.keti.re.kr>

Summary of Test

1. Customer Information

Company Name	NAE WOI KOREA., Ltd		
Name of President/CEO	Edison Yang		
Company Address	501 W-City 9-22, 255 Pankyo-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea		
Contact Person	Cheol-ho, Yang	Request Received	10/ 11/ 2017
Type of Specimen	Mineral Water Base Metal Coating	No. of Specimen	2 ea (NWK742A)
Purpose of Test	Reliability verification of products		
Total Page	6 Pages		

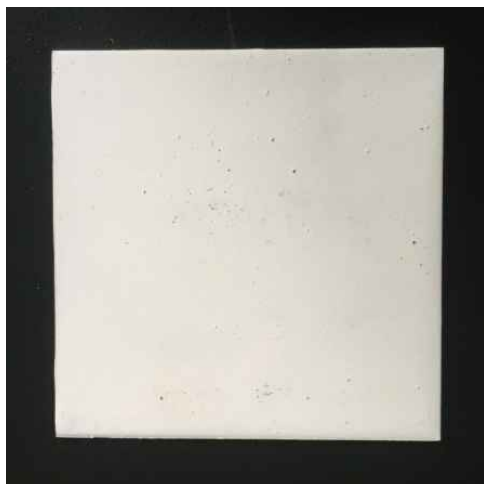
2. Test

Test	Heat resistance test (300 °C, 24 hr), Optical microscope analysis			
Test Method	Supplied by applicant			
Test Result	See test result			
Testing Time	10/ 26/ 2017 ~ 12/ 14/ 2017			
Room Environment	Temperature	(25 ± 5) °C	Humidity	75 %R.H. and below
Prepared by (Technical personnel)		Reviewed by (Technical manager)		
Hyeju Kang (sign)		Kwanhun Lee (sign)		

Test Result

1. **Purpose of Test** : Reliability verification of products

2. **Specimen** : Mineral Water Base Metal Coating



<Mineral Water Base Metal Coating>

3. **Specimen Sampling Method** : Provided from applicant

4. **Test Description**

Test Item	Test Condition	Number of Sample (Name of sample)
Heat resistance test	• 300 °C, 24 hr	2 ea (NWK742A)
Nondestructive analysis	• Optical microscope analysis	

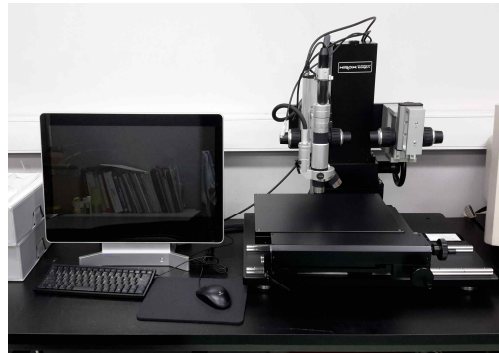
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5. Test Equipment

- ① Electric Box Furnace (C-A14P, Hantech Co., Korea)



- ② 3D Digital Optical Microscope (KH-8700, Hirox, Japan)

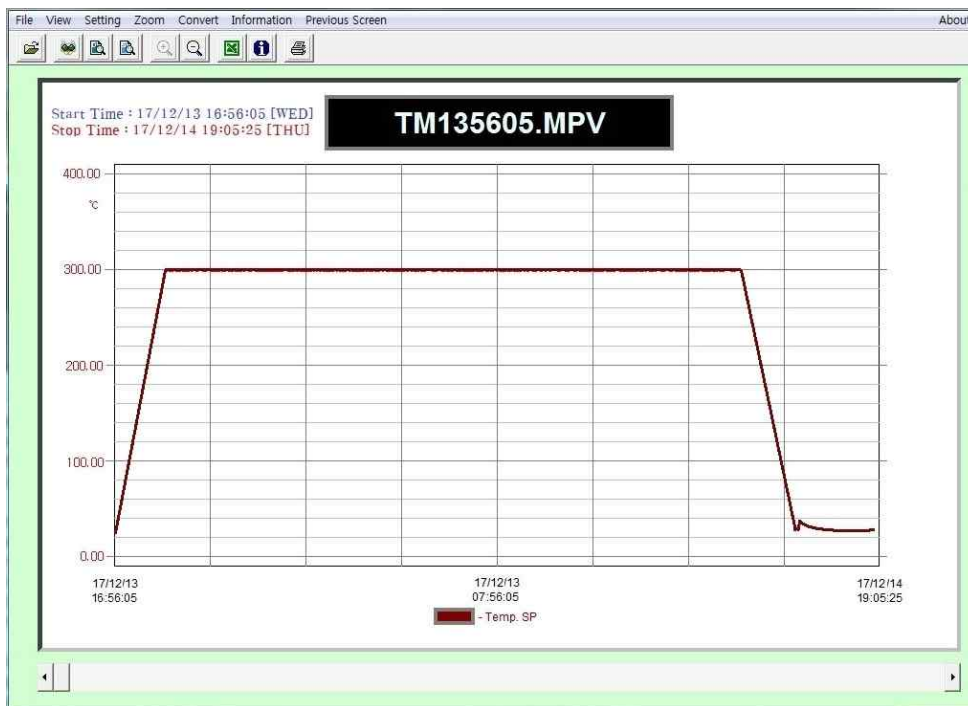


6. Testing Time

- ① Heat resistance test: 12/ 13/ 2017 ~ 12/ 14/ 2017
- ② Optical microscope analysis: 10/ 26/ 2017 ~ 10/ 30/ 2017

7. Results

7.1. Heat resistance test

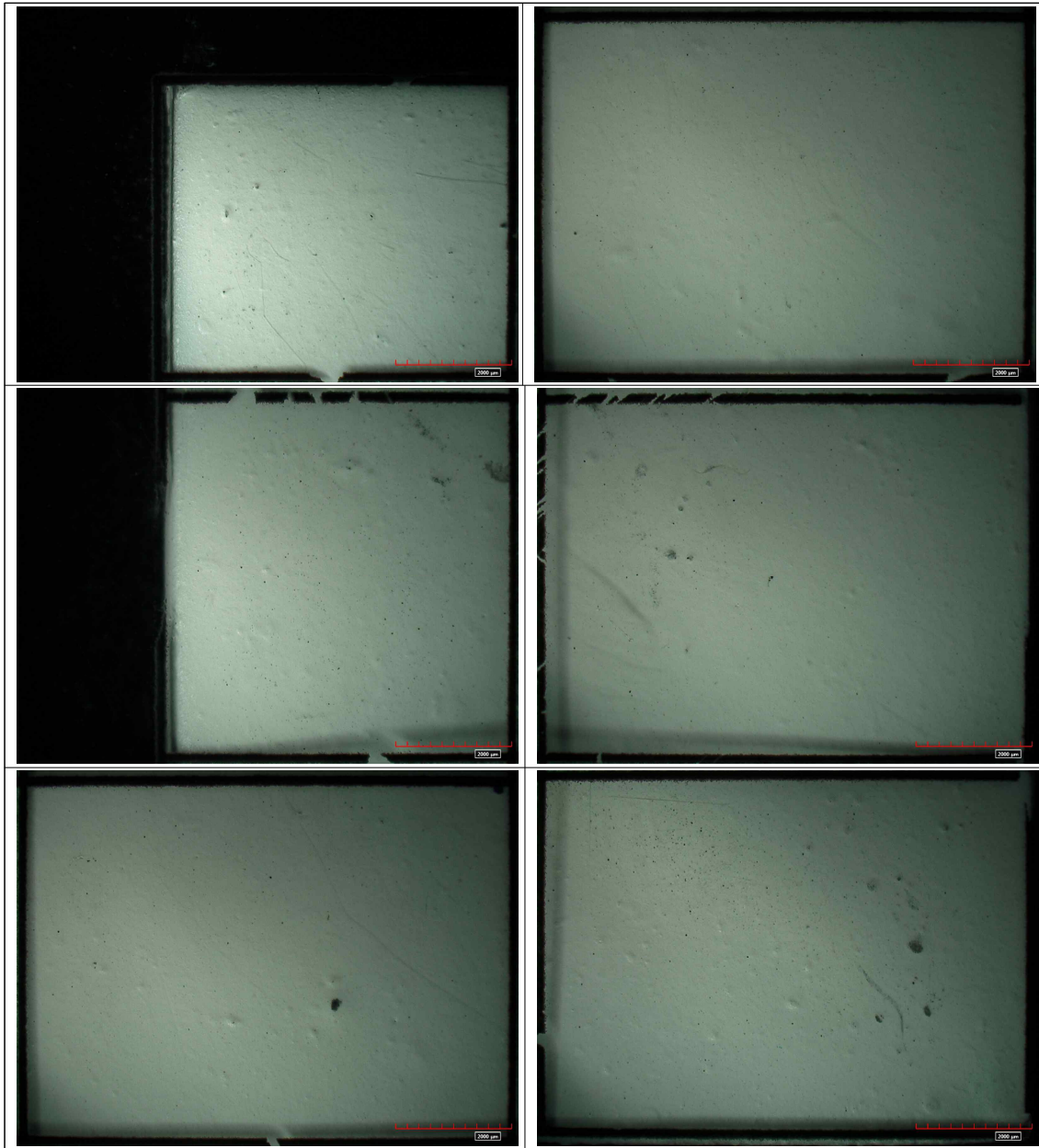


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7.2. Optical microscope analysis

(1) Before heat resistance test



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(2) After heat resistance test



8. Summary

- Surface color of specimen changed during heat resistance test.

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