



Test Report

No. F690101/LF-CTSAYAA14-24539

Issued Date: 2014. 05. 22

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SAMSUNG TOTAL PETROCHEMICALS CO., LTD

103 Dokgot2-ro Daesan-eup Seosan-si
Chungnam
Korea

The following sample(s) was/were submitted and identified by/on behalf of the client as:-

SGS File No. : AYAA14-24539
Product Name : RJ580Z
Item No./Part No. : N/A
Received Date : 2014. 05. 13
Test Period : 2014. 05. 14 to 2014. 05. 22
Test Result(s) : For further details, please refer to following page (s)

Result Summary

Test Requested	Conclusion
US FDA 21 CFR 177.1520(Olefin Polymer) (As per client's request)	-
Olefine copolymer	-
a) Density	PASS
b) Extractable fraction	PASS
c) Soluble fraction	PASS

SGS Korea Co., Ltd.

Jeff Jang / Chemical Lab manager

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Sample No. : AYAA14-24539
Sample Description : RJ580Z
Item / Part No. : N/A
Material : SAMSUNG TOTAL Random copolymer

Test result(s) :
US FDA 21 CFR 177.1520
Method : With reference to 21 CFR 177.1520(c)(3.1a)

a) Density

Test Item(s)	Result (g/mL)	Permissible Limit (g/mL)
Density at 23.2 °C	0.90	0.85-1.00
Comment	PASS	-

b) Extractable fraction

Sample extracted in n-hexane under the condition of 50°C for 2 hours.

Test Item(s)	Result (% w/w)	Detection Limit (% w/w)	Permissible Limit (% w/w)
Extractable fraction	0.56	0.1	5.5
Comment	PASS	-	-

c) Soluble fraction

Sample dissolved in xylene under the condition of 25°C for 2 hours.

Test Item(s)	Result (% w/w)	Detection Limit (% w/w)	Permissible Limit (% w/w)
Soluble fraction	7.61	0.1	30.0
Comment	PASS	-	-

- Note : 1. g/mL = gram per milliliter
2. % w/w = percentage of weight by weight
3. °C = degree Celsius
4. N.D = Not detected

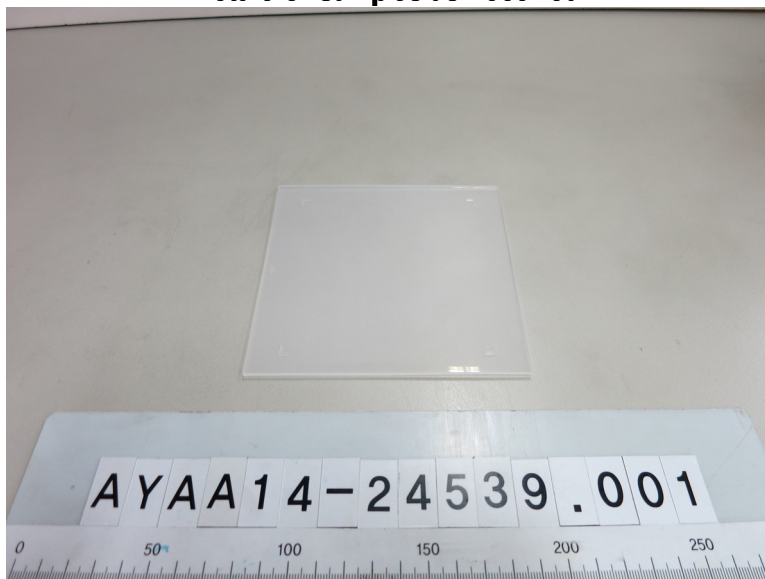
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Picture of Samples as Received:



*** End of Report ***

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