

APPLICANT : SAMSUNG ELECTRONICS Co., Ltd.

ADDRESS : 1, Samsungjeonja-ro, Hwaseong-si, Gyeonggi-do, Korea

PAGE: 1 of 5 REPORT NO. RT22R-S0390-004-E3 DATE: Feb. 04, 2022

SAMPLE DESCRIPTION	: The following submitted sample(s) said to be:-			
NAME/TYPE OF PRODUCT	: 12inch wafer (No C/F, No Bump)			
SAMPLE ID NO.	: RT22R-S0390-004			
MANUFACTURER/VENDOR	: SAMSUNG ELECTRONICS Co., Ltd.			
SAMPLE RECEIVED	: Jan. 19, 2022			
TESTING DATE	: Jan. 19, 2022 ~ Feb. 04, 2022			
TEST METHOD(S)	: Please see the following page(s).			
TEST RESULT(S)	: Please see the following page(s).			

* Note 1 : The test results presented in this report refer only to the object tested.

* Note 2 : This report shall not be reproduced except in full without the written approval of the testing laboratory.

Approved by,

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Jade Jang / Lab. Technical Manager

Authorized by,

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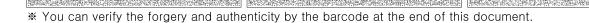
Bo Park / Lab. General Manager

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Intertek Testing Services Korea Ltd. Seoul Office: Tel : 02-6090-9500 Fax : 02-3409-0025 Web Site : intertek.co.kr Seoul Lab. Address : 7, Achasan-ro 5-gil, Seongdong-gu, Seoul, 04793 Korea Ulsan Lab. Address : 34, Yongam-gil, Chongryang-myeon, Ulju-gun, Ulsan 44989 Korea

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REPORT NO. RT22R-S0390-004-E3

PAGE: 2 of 5 DATE: Feb. 04, 2022

SAMPLE ID NO.: RT22R-S0390-004SAMPLE DESCRIPTION: 12inch wafer (No C/F, No Bump)

TEST ITEM	UNIT	TEST METHOD	MDL	RESULT
Beryllium (Be)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	2	N.D.
Cobalt (Co)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	2	N.D.
Indium (In)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	2	N.D.
Nickel (Ni)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	2	N.D.
Phosphorus (P)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	2	N.D.
Antimony (Sb)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	2	N.D.
Tin (Sn)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	2	N.D.

Tested by : Chano Kim, Jooyeon Lee

Notes : mg/kg = ppm = parts per million < = Less than N.D. = Not detected (<MDL) MDL = Method detection limit

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Total Quality. Assured.

TEST REPORT

REPORT NO. RT22R-S0390-004-E3

PAGE: 3 of 5 DATE: Feb. 04, 2022

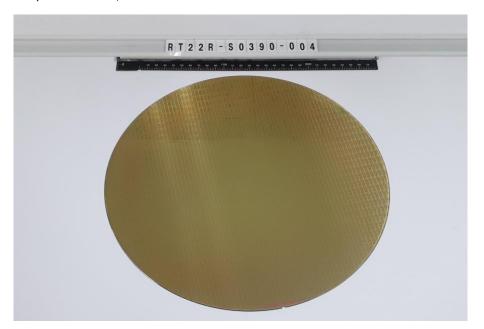
SAMPLE ID NO.: RT22R-S0390-004SAMPLE DESCRIPTION: 12inch wafer (No C/F, No Bump)

TEST ITEM	UNIT	TEST METHOD	MDL	RESULT
Tetrabromobisphenol-A (TBBP-A)	mg/kg	With reference to US EPA 3540C, by solvent extraction and determined by LC/MS/MS	5	N.D.
Medium-chain chlorinated paraffin (MCCP)	mg/kg	With reference to US EPA 3540C, by solvent extraction and determined by LC/MS/MS and/or GC/ECD	100	N.D.

Tested by : Hayan Park

Notes : mg/kg = ppm = parts per million < = Less than N.D. = Not detected (<MDL) MDL = Method detection limit

* View of sample as received;-



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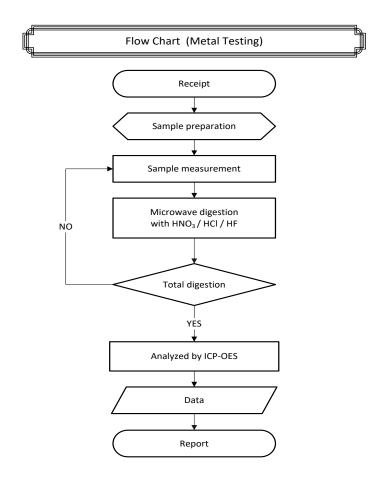




REPORT NO. RT22R-S0390-004-E3

PAGE: 4 of 5 DATE: Feb. 04, 2022

SAMPLE ID NO.: RT22R-S0390-004SAMPLE DESCRIPTION: 12inch wafer (No C/F, No Bump)



** Remarks : The samples were dissolved totally by pre-conditioning method according to above flow chart.

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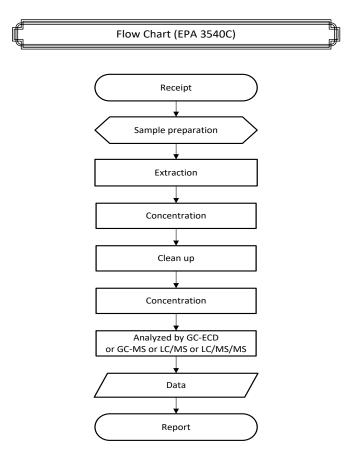
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REPORT NO. RT22R-S0390-004-E3

PAGE: 5 of 5 DATE: Feb. 04, 2022

SAMPLE ID NO.: RT22R-S0390-004SAMPLE DESCRIPTION: 12inch wafer (No C/F, No Bump)



***** End of Report *****

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