

Test Report

No: 10458936(1a) A1

Date: 15-Oct-18

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GLOBALFOUNDRIES Singapore Pte Ltd
60 Woodlands Industrial Park D Street 2 Singapore 738406

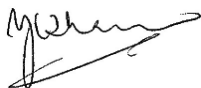
The following sample(s) was/were submitted and identified by/on behalf of the client as:

Sample Name : One (1) 300mm die-patterned wafer
Technode : 90nm
Fab : 7

Sample Receiving Date : 10-Oct-18
Testing Period : 10-Oct-18 to 15-Oct-18

Test Result(s) : Please refer to next page(s).

Signed for and on behalf of
SGS Testing & Control Services Singapore Pte Ltd



Y.C. Tham
Laboratory Manager



Test Location: 3 Toh Tuck Link, #01-02, Singapore 596228

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Test Result(s):

Sample Description : Wafer

Test Item(s):	Unit	Method	Results	MDL
Halogen				
Halogen - Bromine (Br)	mg/kg	With reference to BS EN 14582. Analysis was performed by IC	n.d.	50
Halogen - Chlorine (Cl)	mg/kg	With reference to BS EN 14582. Analysis was performed by IC	n.d.	50
Halogen - Fluorine (F)	mg/kg	With reference to BS EN 14582. Analysis was performed by IC	n.d.	50
Halogen - Iodine (I)	mg/kg	With reference to BS EN 14582. Analysis was performed by IC	n.d.	50

Note: (1) mg/kg = ppm ; 0.1wt% = 1000ppm
 (2) n.d.= Not Detected
 (3) MDL = Method Detection Limit

Lab Analyst(s): Jenny

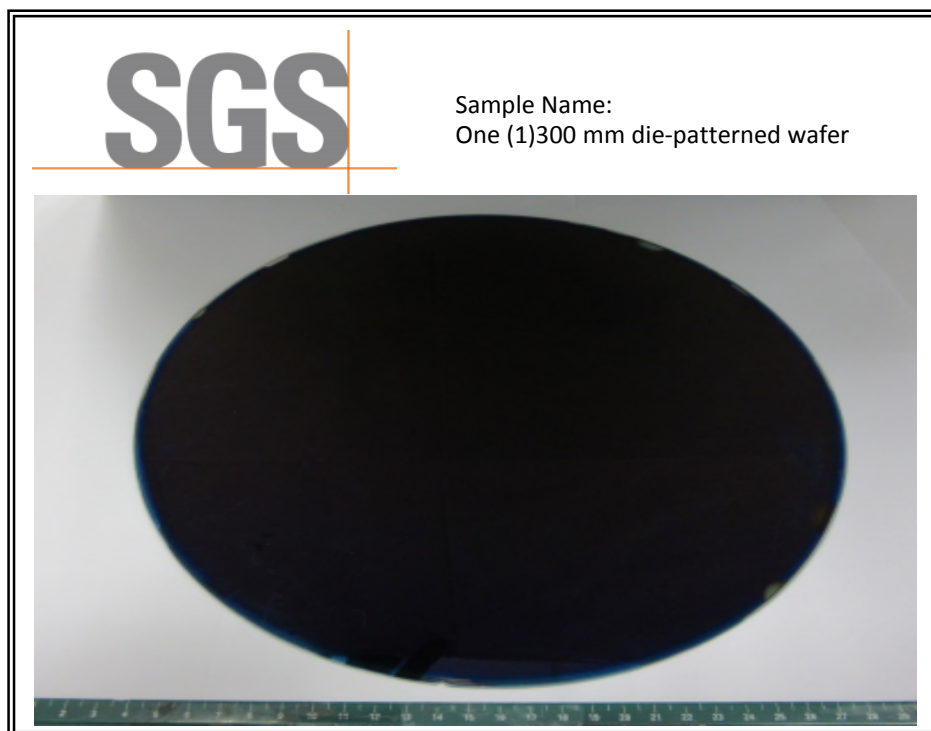
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Sample photo:

Sample Description : Wafer

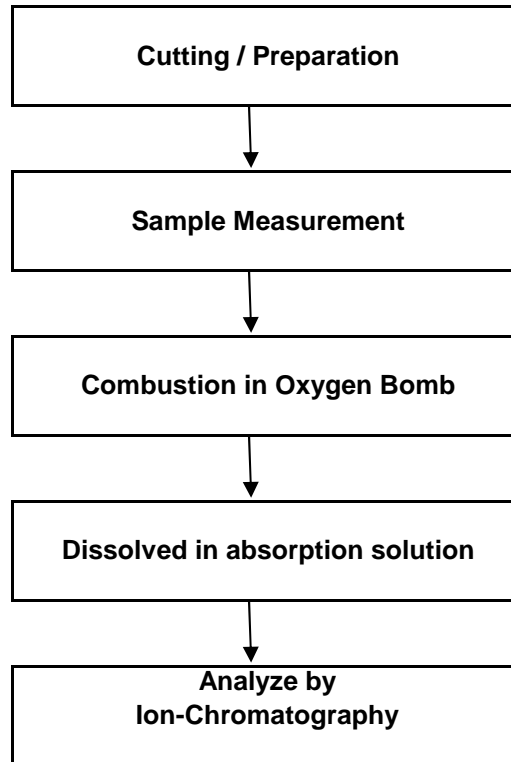
SGS authenticate the photo on original report only



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Process Flow of BS EN 14582 (Halogen Analysis)



End of Report

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