



Calibration Wafer Standards, PSL Wafer Standards, Silica Wafer Standards

KLA-Tencor Surfscan SP1

14Apr2025 09:12:46
Wafer ID: N6432
 Lot ID: SP1 Lot ID
 Src / Dest : R 1 / R 1
 Recipe Name: 300mm
 Session Name: DefaultSession
 WAFER C
 Throughput: Low 300mm/5.0mm
 Normal
 Gain WIN: 8.267E+001/NA C
 Grade: Rejected

Haze:	DWN	DNN	DIC
Region %:	100.00	NA	NA
Avg [ppm]:	0.041	NA	NA
Med [ppm]:	0.042	NA	NA
Peak [ppm]:	0.147	NA	NA
StdDev [ppm]:	0.006	NA	NA

DWN Channel
 Sum of All Defects: **6341**
 LPD Count: **7259**
 Defect Density: **10989**
 Area Count: **176**
 Total [mm²]: **4.415**

LPD DWN [µmLSE]	Count
0.110 - 0.128:	1816
0.128 - 0.150:	1414
0.150 - 0.193:	822
0.193 - 0.241:	1003
0.241 - 1.410:	2197
Mean:	0.194
Std. Dev.:	0.077

Haze DWN [ppm]	Count
Below Range	0.000
0.001 - 0.011:	0.000
0.011 - 0.116:	99.897
0.116 - 1.256:	0.003
1.256 - 13.547:	0.000
13.547 - 146.16:	0.000
146.16 - 198.00:	0.000
Above Range	0.000

**100mm - 300mm
Calibration Wafer Standards**

Haze (DWN)

Dark Field Wide Haze

Defects (Dark Field Wide)

Monday, April 14, 09:12:48, 2025

**2300 NPT-2 Particle
Deposition System**

Silica Micro-Spheres

Polystyrene Micro-Spheres

300mm-SPOTDep-PSL-110nm-125nm-147nm-204nm-304nm-350nm-NIST-CERT-SCAN

Calibration Wafer Standards:

Silica Substrates	100mm-300mm Prime Silicon Wafers
Mask Substrates	Customer's 150mm Quartz Masks
Film Substrates	Customer's 100mm-300mm Film Deposited and 75-100mm Epitaxial Wafers
Polystyrene Particles	Polystyrene Microspheres, 18 nm to 15 µm
Silica Particles	Silica Microspheres, 30 nm to 1 µm
Deposition Method	Dual Differential Mobility Analyzer from 18nm to 2 µm; Direct Deposition >2 µm
Type Deposition	FULL Deposition, HALF Deposition, SPOT Deposition
300mm Data Provided	NIST Traceable, Particle Diameter Certificate, Optional Wafer Scan
100-200mm Data Provided	NIST Traceable, Particle Diameter Certificate, Optional Wafer Scan, TFF data

**28 Years Providing Cleanroom Foggers for USP797 & ISO Standard 14644-3 Smoke Studies;
Calibration Wafer Standards & Particle Size Standards**