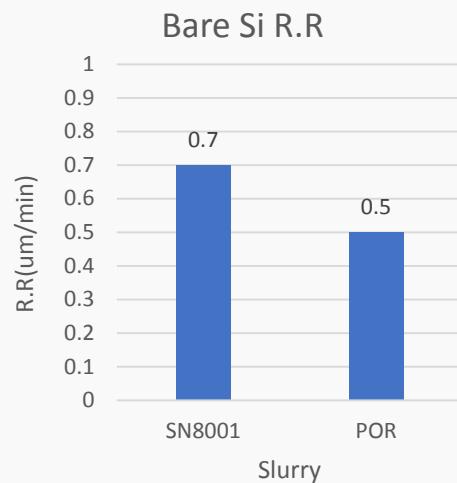


# Bare Si slurry SN8001

## Slurry Properties

Slurry for bare Si		
Slurry	SN8001	POR
Particle type	SiO <sub>2</sub>	SiO <sub>2</sub>
Particle size	60 nm	40 nm
pH	11~11.5	11~11.5
Sp. Gr.	1.1~1.2	1.1~1.2
Ni <sup>2+</sup>	<50 ppb	<2000 ppb
Al <sup>3+</sup>	<5000 ppb	<5000 ppb
Fe <sup>3+</sup>	<5000 ppb	<5000 ppb
Dilute	20X~30X	20X



Higher diluted ratio and R.R.

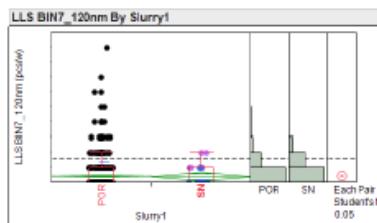
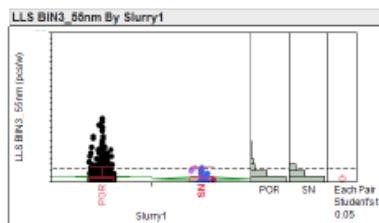
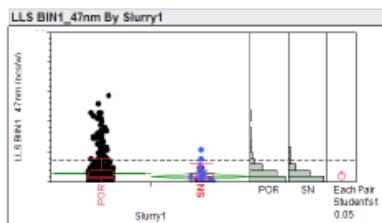
## Defect and Metal ions

Si surface particle:

47nm

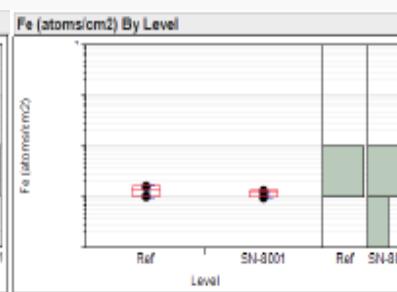
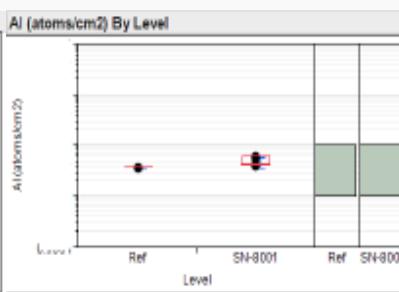
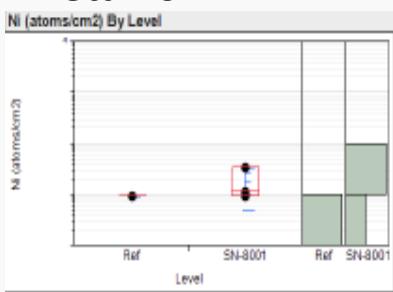
55nm

120nm



Less particle counts after CMP process

Metal ion:



Comparable metal ions in wafer