

CE Diameter Report - Number Distribution

SOP Name: NASA 2.5x10x Merged.vsop

Edited: True

User Name: apps

Edited On: 12 July 2007 12:17:08

Date: 11 July 2007 18:26:37

SOP Analysis: 3.0

SOP Fill Holes: True

SOP Segmentation: None

SOP Trash Size: 10

SOP Optic(s) used: 2.5x, 10x

CE Diameter Minimum (μm): 4.94

CE Diameter D[n, 0.1] (μm): 5.21

CE Diameter Maximum (μm): 402.85

CE Diameter D[n, 0.5] (μm): 6.69

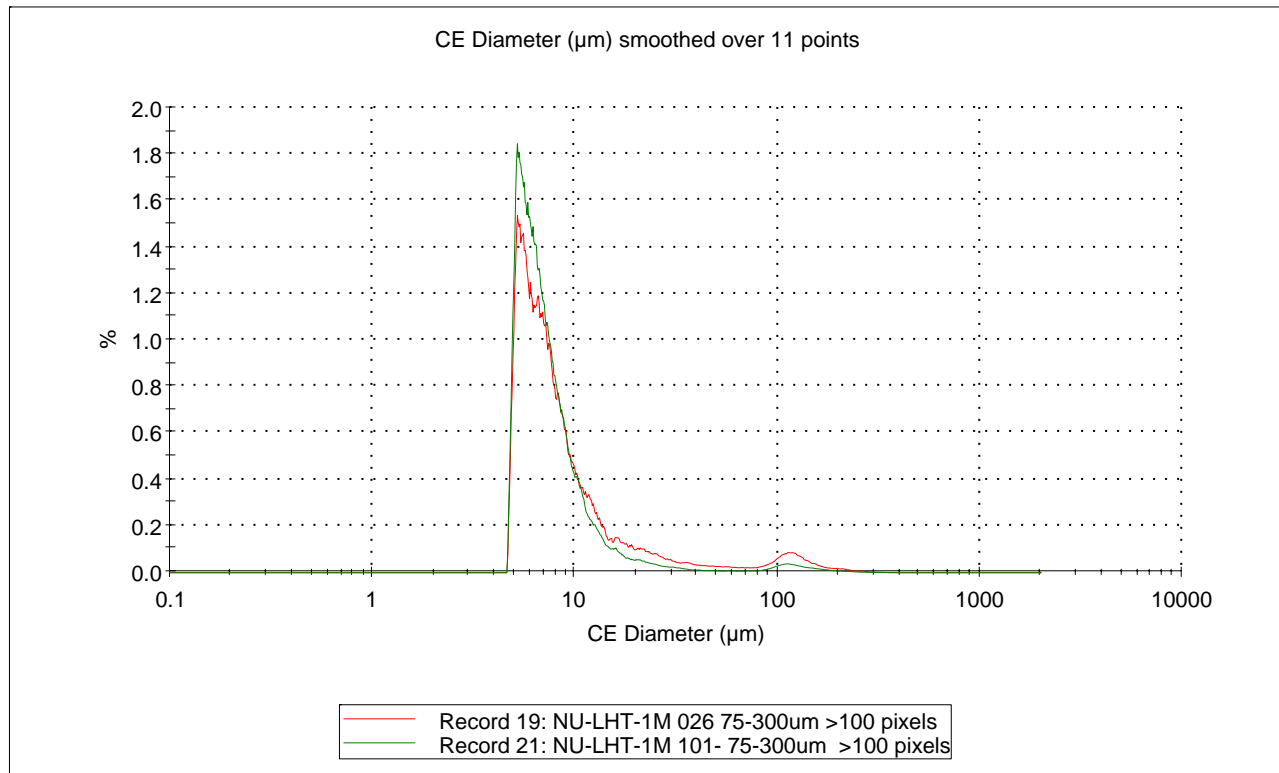
CE Diameter Mean (μm): 10.75

CE Diameter D[n, 0.9] (μm): 12.39

Particles Counted: 28619

CE Diameter STDV (μm): 19.98

CE Diameter RSD (%): 185.78



Comments: 75 - 300um fraction dispersed at 3 Bar on SPD-1300

CE Diameter Report - Volume Distribution

Sample Name: NU-LHT-1M 101- 75-300um >100 pixels

SOP Name: NASA 2.5x10x Merged.vsop

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User Name: apps

Edited On: 12 July 2007 12:17:08

Date: 11 July 2007 18:26:37

SOP Analysis: 3.0

SOP Fill Holes: True

SOP Segmentation: None

SOP Trash Size: 10

SOP Optic(s) used: 2.5x, 10x

CE Diameter Minimum (μm): 4.94

CE Diameter D[v, 0.1]: 106.4

CE Diameter Maximum (μm): 402.85

CE Diameter D[v, 0.5]: 170

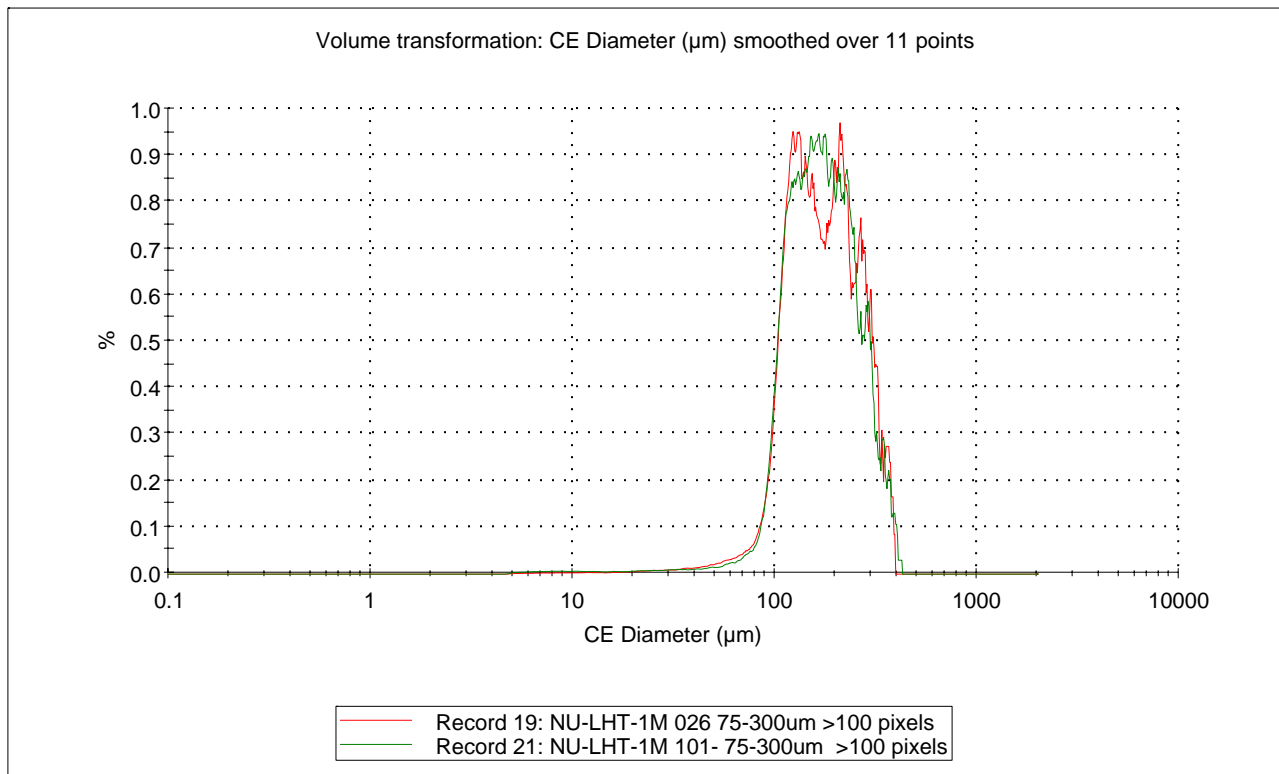
CE Diameter Mean (μm): 10.75

CE Diameter D[v, 0.9]: 286.6

Particles Counted: 28619

CE Diameter STDV (μm): 19.98

CE Diameter RSD (%): 185.78



Comments: 75 - 300um fraction dispersed at 3 Bar on SPD-1300

Intensity Standard deviation Report - Number Distribution

Sample Name: NU-LHT-1M 101- 75-300um >100 pixels

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User Name: apps

Edited On: 12 July 2007 12:17:08

Date: 11 July 2007 18:26:37

SOP Analysis: 3.0

SOP Fill Holes: True

SOP Segmentation: None

SOP Trash Size: 10

SOP Optic(s) used: 2.5x, 10x

Intensity STDV Minimum: 2

Intensity STDV D[n, 0.1]: 18

Intensity STDV Maximum: 56

Intensity STDV D[n, 0.5]: 25

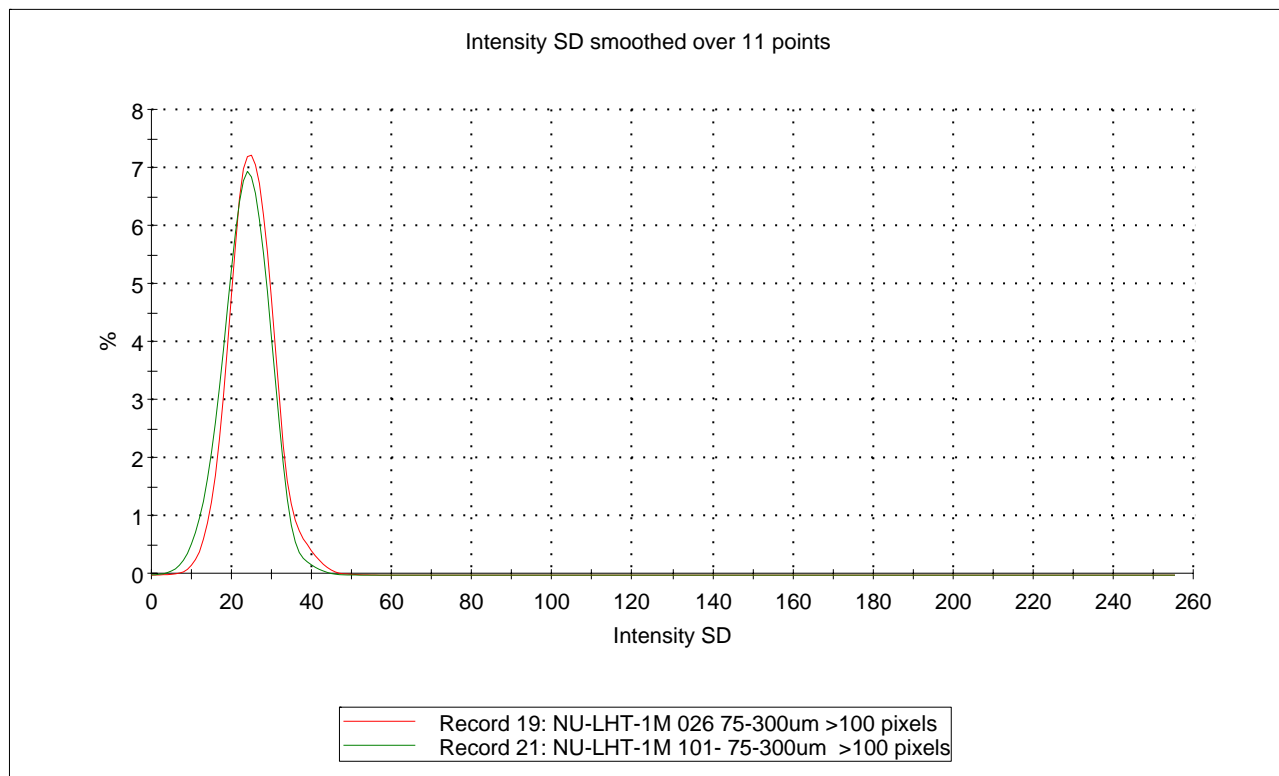
Intensity STDV Mean: 24

Intensity STDV D[n, 0.9]: 30

Particles Counted: 28619

Intensity STDV STDV: 5

Intensity STDV RSD (%): 20.62



Comments: 75 - 300um fraction dispersed at 3 Bar on SPD-1300

Intensity Mean Report - Number Distribution

Sample Name: NU-LHT-1M 101- 75-300um >100 pixels

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SOP Analysis: 3.0

SOP Fill Holes: True

SOP Segmentation: None

SOP Trash Size: 10

SOP Optic(s) used: 2.5x, 10x

Mean Intensity Minimum: 16

Mean Intensity D[n, 0.1]: 63

Mean Intensity Maximum: 142

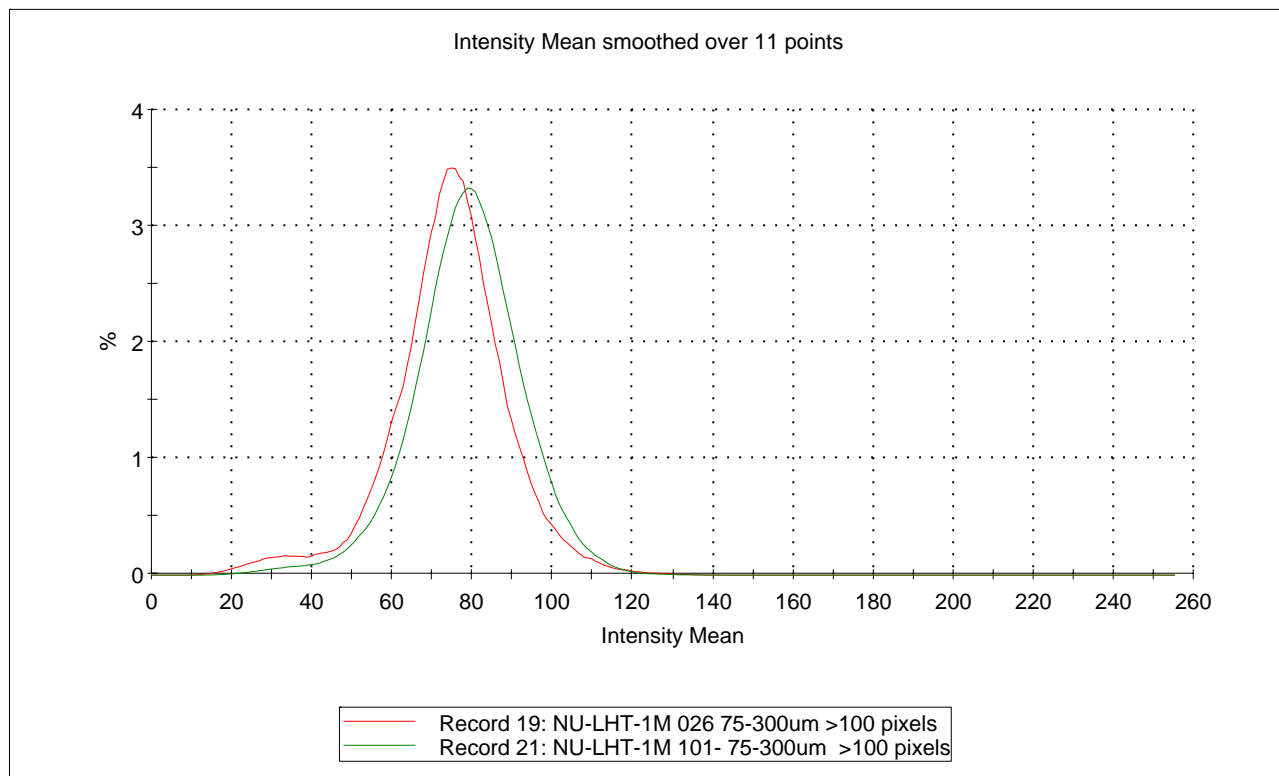
Mean Intensity D[n, 0.5]: 80

Mean Intensity D[n, 0.9]: 95

Particles Counted: 28619

Mean Intensity STDV: 13

Mean Intensity RSD (%): 16.74



Comments: 75 - 300um fraction dispersed at 3 Bar on SPD-1300

HS Circularity Report - Number Distribution

Sample Name: NU-LHT-1M 101- 75-300um >100 pixels

SOP Name: NASA 2.5x10x Merged.vsop

Edited: True

User Name: apps

Edited On: 12 July 2007 12:17:08

Date: 11 July 2007 18:26:37

SOP Analysis: 3.0

SOP Fill Holes: True

SOP Segmentation: None

SOP Trash Size: 10

SOP Optic(s) used: 2.5x, 10x

HS Circularity Minimum: 0.211

HS Circularity D[n, 0.1]: 0.468

HS Circularity Maximum: 0.992

HS Circularity D[n, 0.5]: 0.709

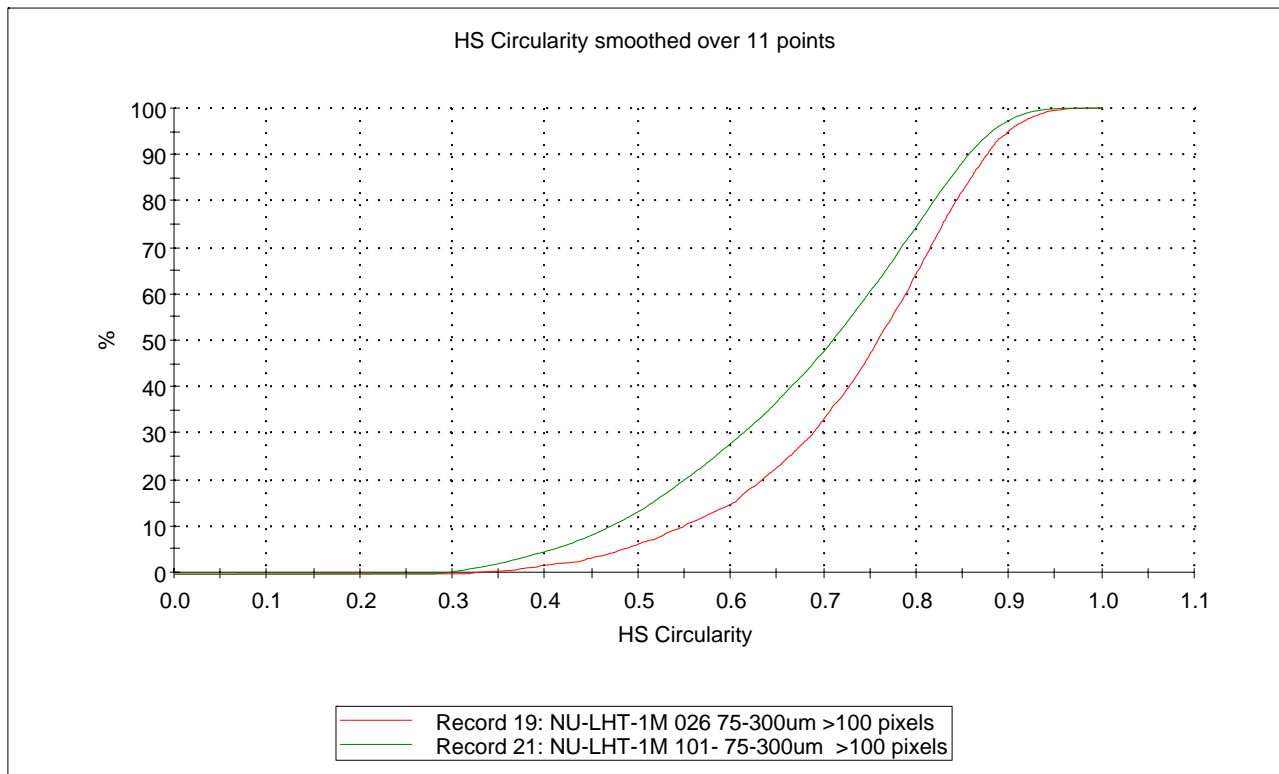
HS Circularity Mean: 0.683

HS Circularity D[n, 0.9]: 0.856

Particles Counted: 28619

HS Circularity STDV: 0.148

HS Circularity RSD (%): 21.599



Comments: 75 - 300um fraction dispersed at 3 Bar on SPD-1300

Elongation Report - Number Distribution

Sample Name: NU-LHT-1M 101- 75-300um >100 pixels

SOP Name: NASA 2.5x10x Merged.vsop

Edited: True

User Name: apps

Edited On: 12 July 2007 12:17:08

Date: 11 July 2007 18:26:37

SOP Analysis: 3.0

SOP Fill Holes: True

SOP Segmentation: None

SOP Trash Size: 10

SOP Optic(s) used: 2.5x, 10x

Elongation Minimum: 0.000

Elongation D[n, 0.1]: 0.147

Elongation Maximum: 0.823

Elongation D[n, 0.5]: 0.348

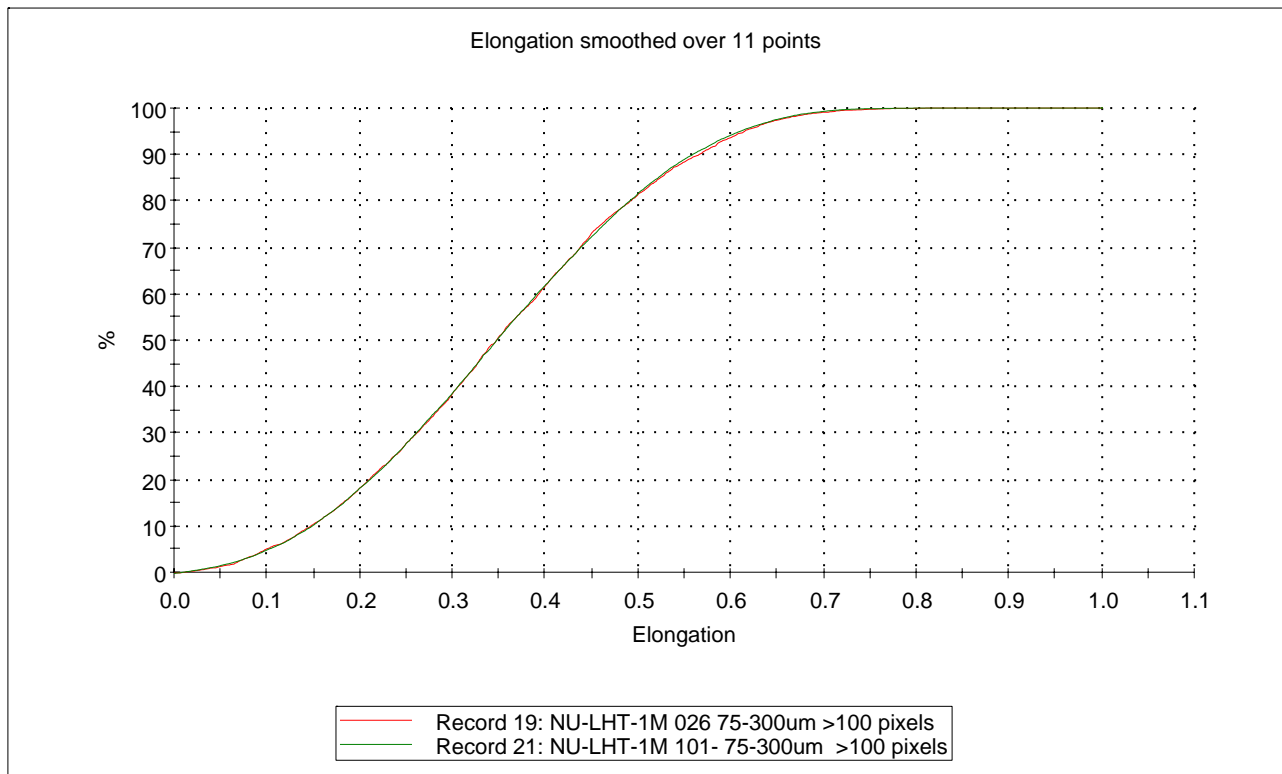
Elongation Mean: 0.351

Elongation D[n, 0.9]: 0.559

Particles Counted: 28619

Elongation STDV: 0.155

Elongation RSD (%): 44.07



Comments: 75 - 300um fraction dispersed at 3 Bar on SPD-1300

Solidity Report - Number Distribution

Sample Name: NU-LHT-1M 101- 75-300um >100 pixels

SOP Name: NASA 2.5x10x Merged.vsop

Edited: True

User Name: apps

Edited On: 12 July 2007 12:17:08

Date: 11 July 2007 18:26:37

SOP Analysis: 3.0

SOP Fill Holes: True

SOP Segmentation: None

SOP Trash Size: 10

SOP Optic(s) used: 2.5x, 10x

Solidity Minimum: 0.537

Solidity D[n, 0.1]: 0.840

Solidity Maximum: 1.000

Solidity D[n, 0.5]: 0.958

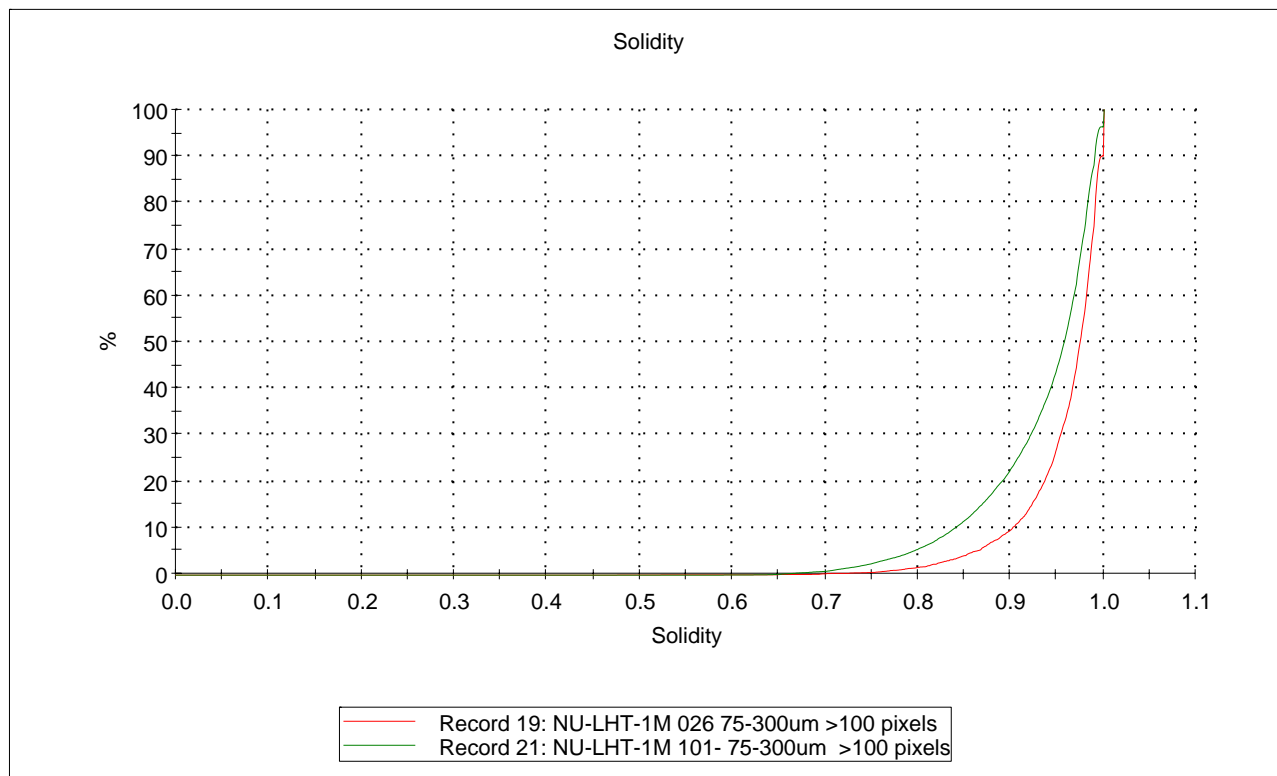
Solidity Mean: 0.934

Solidity D[n, 0.9]: 0.991

Particles Counted: 28619

Solidity STDV: 0.066

Solidity RSD (%): 7.04



Comments: 75 - 300um fraction dispersed at 3 Bar on SPD-1300