

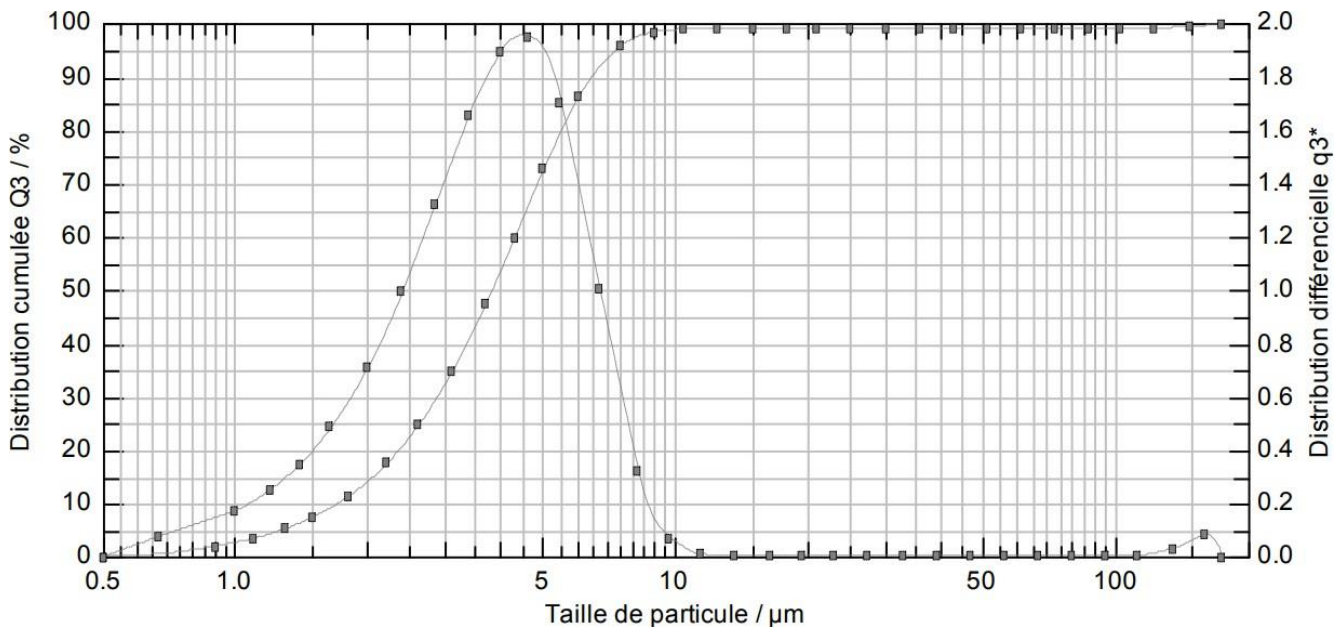
Droplet Size Distribution

Spray head 5 Microns H-360-M05

Test Conditions

Liquid	Saline Solution NaCl 0,9%
Temperature	25°C
Humidity	30-50%

Droplet Size Distribution Results



$x_{10} = 1,70 \pm 0,03 \mu\text{m}$

$x_{16} = 2,10 \pm 0,03 \mu\text{m}$

VMD = 5,33 µm

$x_{50} = 3,82 \pm 0,04 \mu\text{m}$

$x_{84} = 5,84 \pm 0,11 \mu\text{m}$

$S_V = 1,99 \text{ m}^2/\text{cm}^3$

$x_{90} = 6,59 \pm 0,24 \mu\text{m}$

$x_{99} = 62,14 \pm 72,39 \mu\text{m}$

$C_{\text{agg}} = 11,98 \pm 4,33 \% [36,12 \%]$

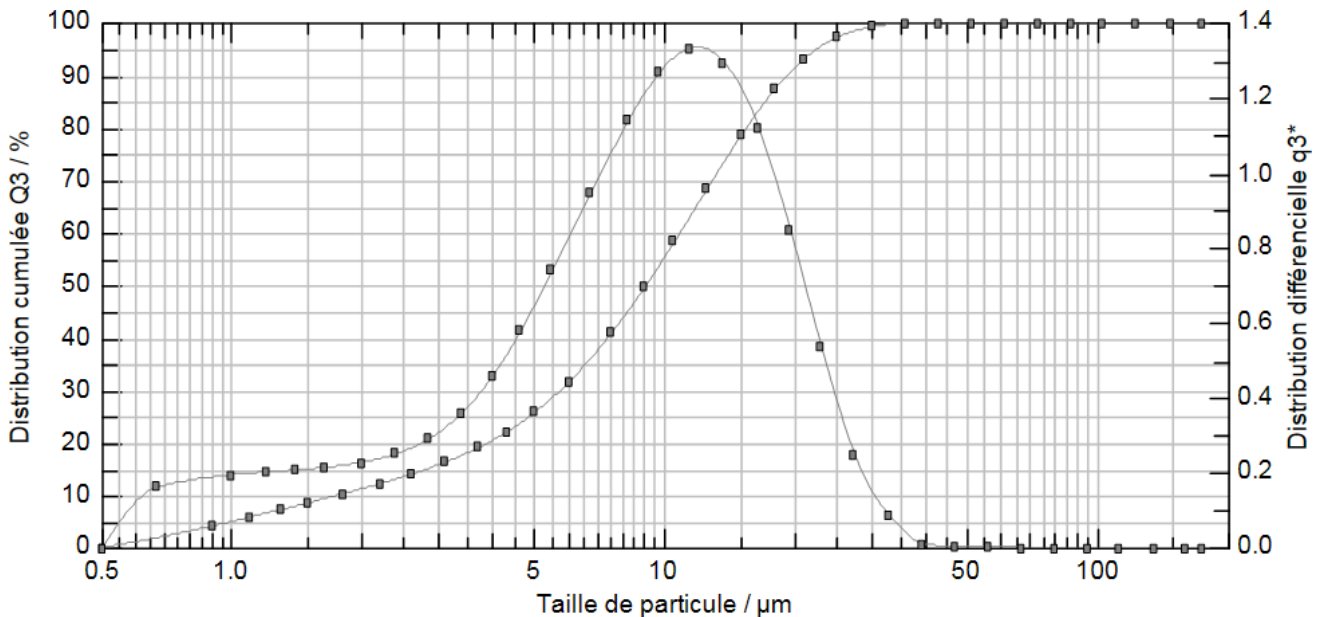
Droplet Size Distribution

Spray head 8 Microns H-360-M08

Test Conditions

Liquid	Saline Solution NaCl 0,9%
Temperature	25°C
Humidity	30-50%

Droplet Size Distribution Results



$x_{10} = 1,75 \pm 0,27 \mu\text{m}$

$x_{50} = 9,02 \pm 0,24 \mu\text{m}$

$x_{90} = 19,27 \pm 0,43 \mu\text{m}$

$x_{16} = 3,02 \pm 0,24 \mu\text{m}$

$x_{84} = 16,78 \pm 0,32 \mu\text{m}$

$x_{99} = 29,50 \pm 1,30 \mu\text{m}$

VMD= 10,02 μm

$S_V = 1,37 \text{ m}^3/\text{cm}^3$

$C_{opt} = 49,92 \pm 6,58 \% [13,18 \%]$

SPAN= 1,53

GSD= 1,86

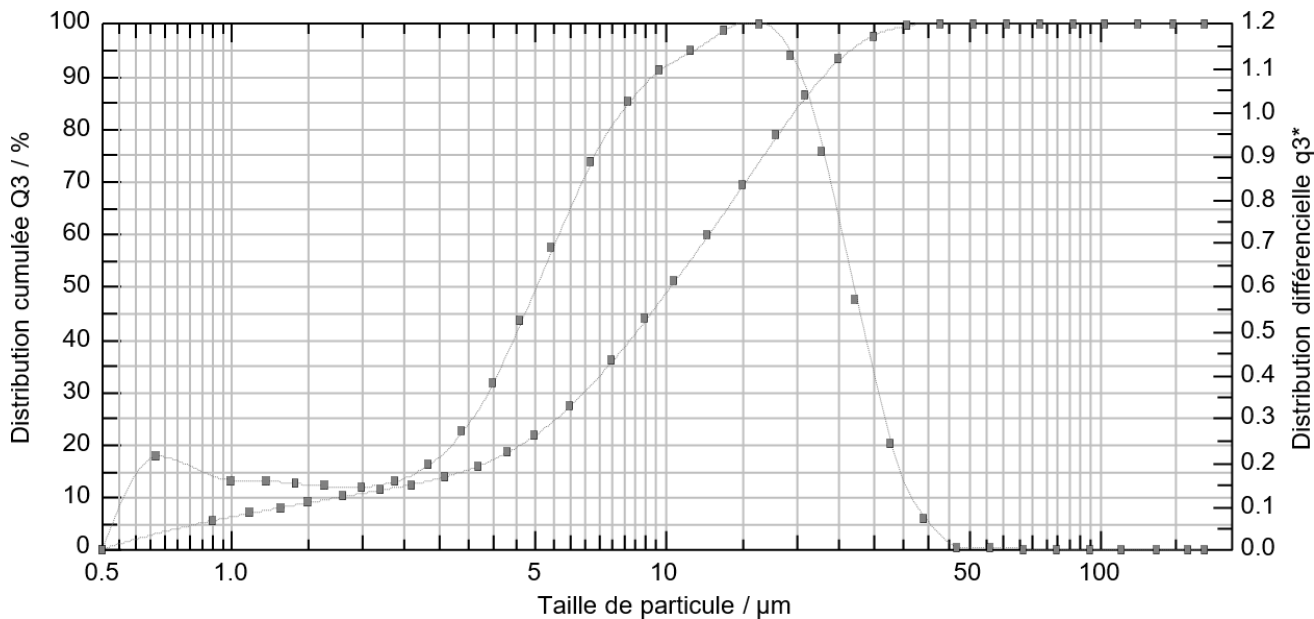
Droplet Size Distribution

Spray head 12 Microns H-360-M12

Test Conditions

Liquid	Saline Solution NaCl 0,9%
Temperature	25°C
Humidity	30-50%

Droplet Size Distribution Results



$X_{10} = 1,83 \pm 0,13 \mu\text{m}$

$X_{16} = 3,74 \pm 0,16 \mu\text{m}$

VMD = 11,76 μm

SPAN = 1,60

$X_{50} = 10,26 \pm 0,19 \mu\text{m}$

$X_{84} = 20,13 \pm 0,33 \mu\text{m}$

$S_V = 1,31 \text{ m}^3/\text{cm}^3$

$X_{90} = 23,22 \pm 0,40 \mu\text{m}$

$X_{99} = 34,59 \pm 0,61 \mu\text{m}$

$C_{opt} = 60,41 \pm 3,37 \% [5,58 \%]$

GSD = 1,96

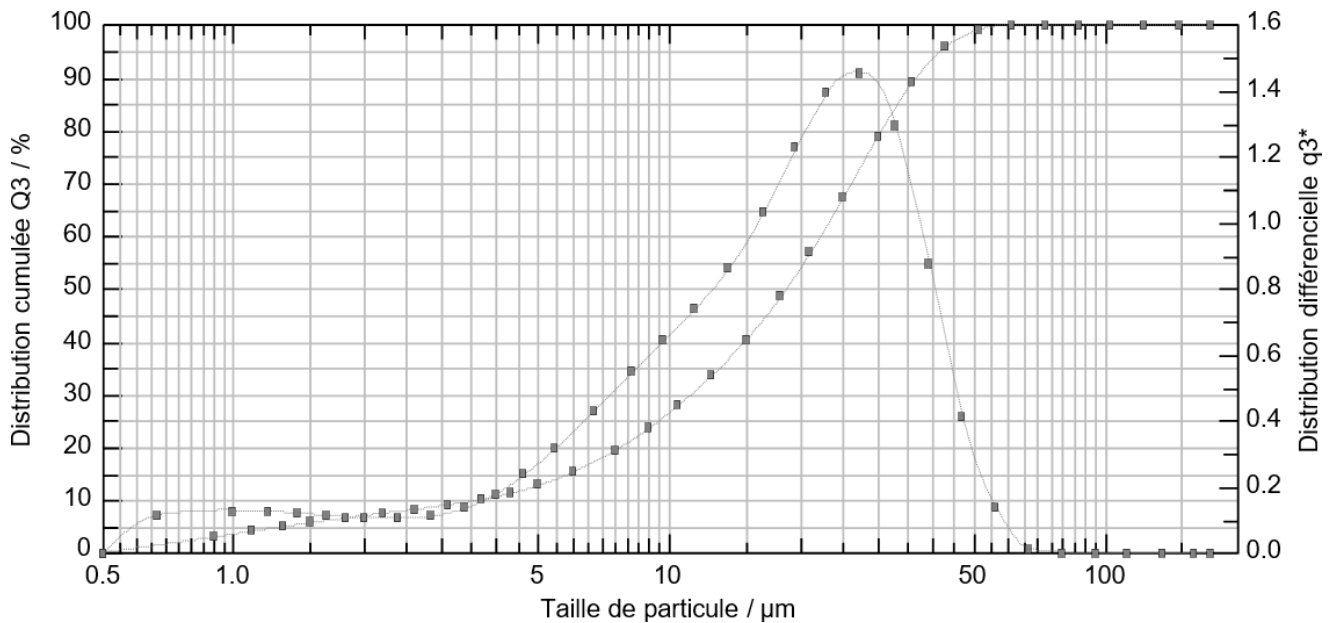
Droplet Size Distribution

Spray head 20 Microns H-360-M20

Test Conditions

Liquid	Saline Solution NaCl 0,9%
Temperature	25°C
Humidity	30-50%

Droplet Size Distribution Results



$X_{10} = 3,69 \pm 0,09 \mu\text{m}$

$X_{16} = 6,28 \pm 0,10 \mu\text{m}$

VMD = 19,69 μm

$X_{50} = 18,50 \pm 0,45 \mu\text{m}$

$X_{84} = 32,96 \pm 0,66 \mu\text{m}$

$S_V = 0,86 \text{ m}^3/\text{cm}^3$

$X_{90} = 36,91 \pm 0,86 \mu\text{m}$

$X_{99} = 52,23 \pm 1,43 \mu\text{m}$

$C_{opt} = 33,46 \pm 2,43 \% [7,26 \%]$

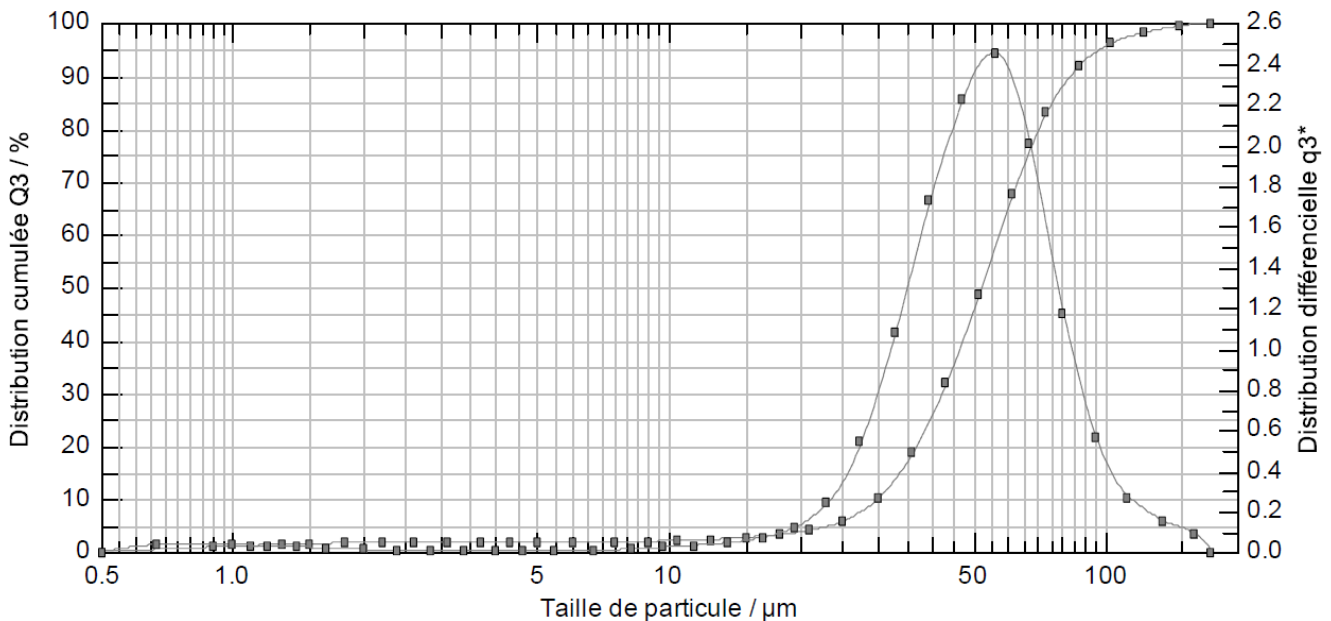
Droplet Size Distribution

Spray head 50 Microns H-360-M50

Test Conditions

Liquid	Saline Solution NaCl 0,9%
Temperature	25°C
Humidity	30-50%

Droplet Size Distribution Results



$x_{10} = 29,79 \pm 0,63 \mu\text{m}$

$x_{16} = 34,15 \pm 0,67 \mu\text{m}$

VMD= 54,89 μm

SPAN= 0,78

$x_{50} = 51,86 \pm 1,14 \mu\text{m}$

$x_{84} = 74,48 \pm 2,48 \mu\text{m}$

$S_v = 0,24 \text{ m}^2/\text{cm}^3$

$x_{90} = 83,82 \pm 2,53 \mu\text{m}$

$x_{99} = 138,99 \pm 5,02 \mu\text{m}$

$C_{opt} = 28,61 \pm 3,51 \% [12,28 \%]$

GSD= 1,44