

F2 Katekin 1% 4179.nsz

Measurement Results

Date : Senin, 01 Februari 2021 14.03.07
Measurement Type : Particle Size
Sample Name : F2 Katekin 1%
Scattering Angle : 90
Temperature of the Holder : 25.0 deg. C
Dispersion Medium Viscosity : 0.896 mPa.s
Transmission Intensity before Meas. : 28320
Measurement Gate Time : ---
Distribution Form : [Standard]
Distribution Form(Dispersity) : Polydisperse
Representation of Result : Scattering Light Intensity
Count Rate : 1382 kCPS

Calculation Results

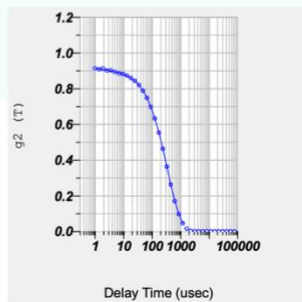
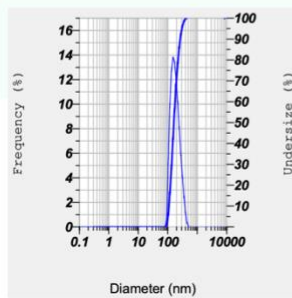
| Peak No. | S.P.Area Ratio | Mean | S. D. | Mode |
|----------|----------------|----------|---------|----------|
| 1 | 1.00 | 177.2 nm | 62.7 nm | 143.0 nm |
| 2 | --- | --- nm | --- nm | --- nm |
| 3 | --- | --- nm | --- nm | --- nm |
| Total | 1.00 | 177.2 nm | 62.7 nm | 143.0 nm |

Histogram Operations

Size (Median) : 162.3 nm
% Cumulative (2) : 10.0 (%) - 110.4 (nm)
% Cumulative (4) : 30.0 (%) - 135.8 (nm)
% Cumulative (6) : 50.0 (%) - 162.3 (nm)
% Cumulative (8) : 70.0 (%) - 198.3 (nm)
Mean : 177.2 nm

Cumulant Operations

Z-Average : 163.6 nm
PI : 0.239



F2 Katekin 1%_4284.nsz

Measurement Results

Date : Selasa, 09 Februari 2021 11.51.53
Measurement Type : Particle Size
Sample Name : F2 Katekin 1%
Scattering Angle : 90
Temperature of the Holder : 25.0 deg. C
Dispersion Medium Viscosity : 0.895 mPa.s
Transmission Intensity before Meas. : 28283
Measurement Gate Time : ---
Distribution Form : [Standard]
Distribution Form(Dispersity) : Monodisperse
Representation of Result : Scattering Light Intensity
Count Rate : 1701 kCPS

Calculation Results

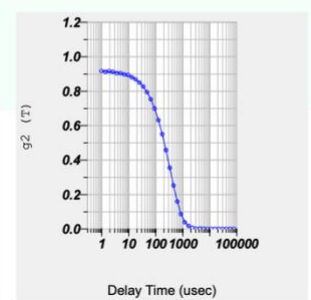
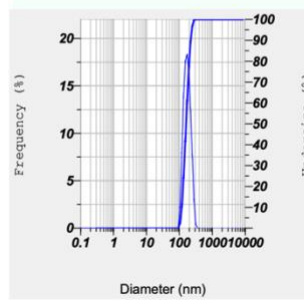
| Peak No. | S.P.Area Ratio | Mean | S. D. | Mode |
|----------|----------------|----------|---------|----------|
| 1 | 1.00 | 165.3 nm | 39.5 nm | 160.5 nm |
| 2 | --- | --- nm | --- nm | --- nm |
| 3 | --- | --- nm | --- nm | --- nm |
| Total | 1.00 | 165.3 nm | 39.5 nm | 160.5 nm |

Histogram Operations

Size (Median) : 159.8 nm
% Cumulative (2) : 10.0 (%) - 118.0 (nm)
% Cumulative (4) : 30.0 (%) - 139.4 (nm)
% Cumulative (6) : 50.0 (%) - 159.8 (nm)
% Cumulative (8) : 70.0 (%) - 184.0 (nm)
Mean : 165.3 nm

Cumulant Operations

Z-Average : 166.5 nm
PI : 0.025



Tranetosom Katekin 1%_4487.nsz

Measurement Results

Date : Senin, 22 Februari 2021 15.24.36
Measurement Type : Particle Size
Sample Name : Tranetosom Katekin 1%
Scattering Angle : 90
Temperature of the Holder : 25.0 deg. C
Dispersion Medium Viscosity : 0.895 mPa.s
Transmission Intensity before Meas. : 27646
Measurement Gate Time : ---
Distribution Form : [Standard]
Distribution Form(Dispersity) : Polydisperse
Representation of Result : Scattering Light Intensity
Count Rate : 1527 kCPS

Calculation Results

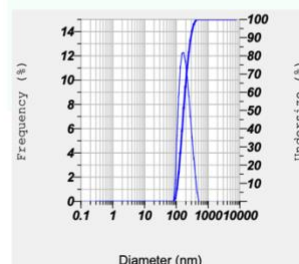
| Peak No. | S.P.Area Ratio | Mean | S. D. | Mode |
|----------|----------------|----------|---------|----------|
| 1 | 1.00 | 185.8 nm | 70.3 nm | 160.6 nm |
| 2 | --- | --- nm | --- nm | --- nm |
| 3 | --- | --- nm | --- nm | --- nm |
| Total | 1.00 | 185.8 nm | 70.3 nm | 160.6 nm |

Histogram Operations

Size (Median) : 169.3 nm
% Cumulative (2) : 10.0 (%) - 109.8 (nm)
% Cumulative (4) : 30.0 (%) - 138.7 (nm)
% Cumulative (6) : 50.0 (%) - 169.3 (nm)
% Cumulative (8) : 70.0 (%) - 211.1 (nm)
Mean : 185.8 nm

Cumulant Operations

Z-Average : 166.2 nm
PI : 0.076



PSA and PDI of Catechin Tranethisime 1%

F2 Katekin 1%_4191.nzt

Measurement Results

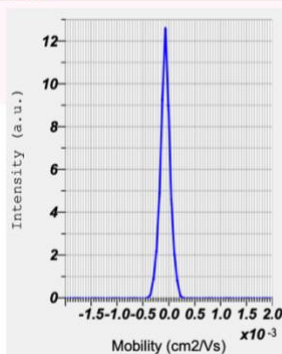
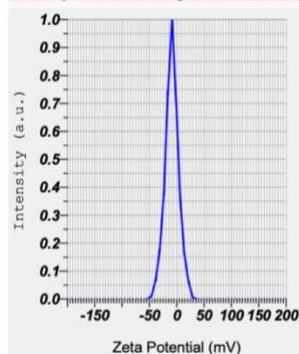
Date : Senin, 01 Februari 2021 15.56.41
 Measurement Type : Zeta Potential
 Sample Name : F2 Katekin 1%
 Dispersion Medium Information :
 Temperature of the Holder : 24.9 deg. C
 Dispersion Medium Viscosity : 0.897 mPa.s
 Conductivity : 0.192 mS/cm
 Electrode Voltage : 3.3 V

Calculation Results

| Peak No. | Zeta Potential | Electrophoretic Mobility |
|----------|----------------|-------------------------------|
| 1 | -8.8 mV | -0.000068 cm ² /Vs |
| 2 | -- mV | -- cm ² /Vs |
| 3 | -- mV | -- cm ² /Vs |

Zeta Potential (Mean) : -8.8 mV

Electrophoretic Mobility Mean : -0.000068 cm²/Vs



Transetosom Katekin 1%_4496.nzt

Measurement Results

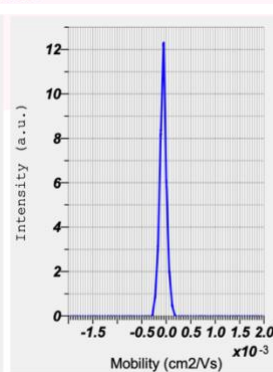
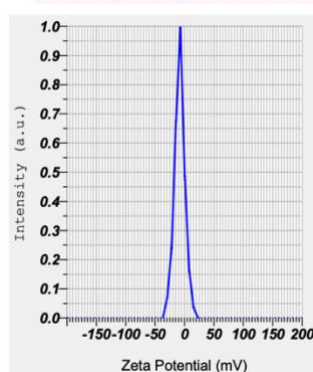
Date : Senin, 22 Februari 2021 16.28.15
 Measurement Type : Zeta Potential
 Sample Name : Transetosom Katekin 1%
 Dispersion Medium Information :
 Temperature of the Holder : 25.0 deg. C
 Dispersion Medium Viscosity : 0.895 mPa.s
 Conductivity : 0.197 mS/cm
 Electrode Voltage : 3.3 V

Calculation Results

| Peak No. | Zeta Potential | Electrophoretic Mobility |
|----------|----------------|-------------------------------|
| 1 | -8.3 mV | -0.000064 cm ² /Vs |
| 2 | -- mV | -- cm ² /Vs |
| 3 | -- mV | -- cm ² /Vs |

Zeta Potential (Mean) : -8.3 mV

Electrophoretic Mobility Mean : -0.000064 cm²/Vs



F2 Katekin 1%_4308.nzt

Measurement Results

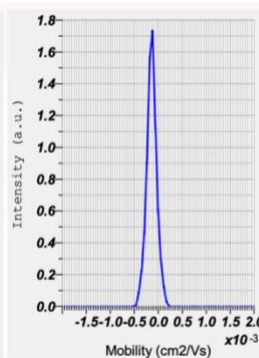
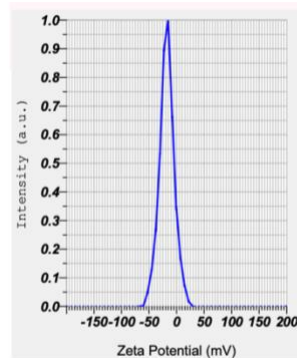
Date : Selasa, 09 Februari 2021 14.12.16
 Measurement Type : Zeta Potential
 Sample Name : F2 Katekin 1%
 Dispersion Medium Information :
 Temperature of the Holder : 25.0 deg. C
 Dispersion Medium Viscosity : 0.895 mPa.s
 Conductivity : 0.193 mS/cm
 Electrode Voltage : 3.3 V

Calculation Results

| Peak No. | Zeta Potential | Electrophoretic Mobility |
|----------|----------------|-------------------------------|
| 1 | -17.7 mV | -0.000137 cm ² /Vs |
| 2 | -- mV | -- cm ² /Vs |
| 3 | -- mV | -- cm ² /Vs |

Zeta Potential (Mean) : -17.7 mV

Electrophoretic Mobility Mean : -0.000137 cm²/Vs



Zeta Potential of Catechin Transethosome 1%