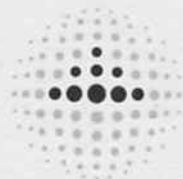


Incarico sullo studio delle proprietà dell'Argento Colloidale prodotto con il Generatore Family 1,6



AMBROSIALAB Spett.le Tecnosalute
health and wellness research di Guido Ferioli
Via Ortigara, 3
40015 Galliera (BO)

20/02/2009

Gentile Sig. Ferioli,

a seguito del lavoro svolto come da sua lettera di incarico, le inviamo alcune considerazioni sulla base dei risultati preliminari ottenuti.

L'obiettivo del lavoro era effettuare uno studio esplorativo mirato a valutare la possibile utilizzazione dell'argento colloidale come metodo per purificare acqua di uso alimentare e cosmetico. Al fine di valutare la sicurezza d'uso, è stata determinata la dimensione delle particelle, e successivamente si è presa in esame la legislazione corrente. Da questa disamina preliminare è emerso che la dimensione delle particelle (20 nanometri) risulta un fattore



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Size Report

Sol.Ag.coll.
Soluzione Ag colloidale analisi del 15/12/2008
Laura

Sample

Record Number: data
Filename:
File Path:
Sample RI: 1.59, Abs:0.00

Dispersant RI: 1.33
Disp. Viscosity (cP): 0.891
Date (DMY): 15/12/08
Time: 11:47:58

System

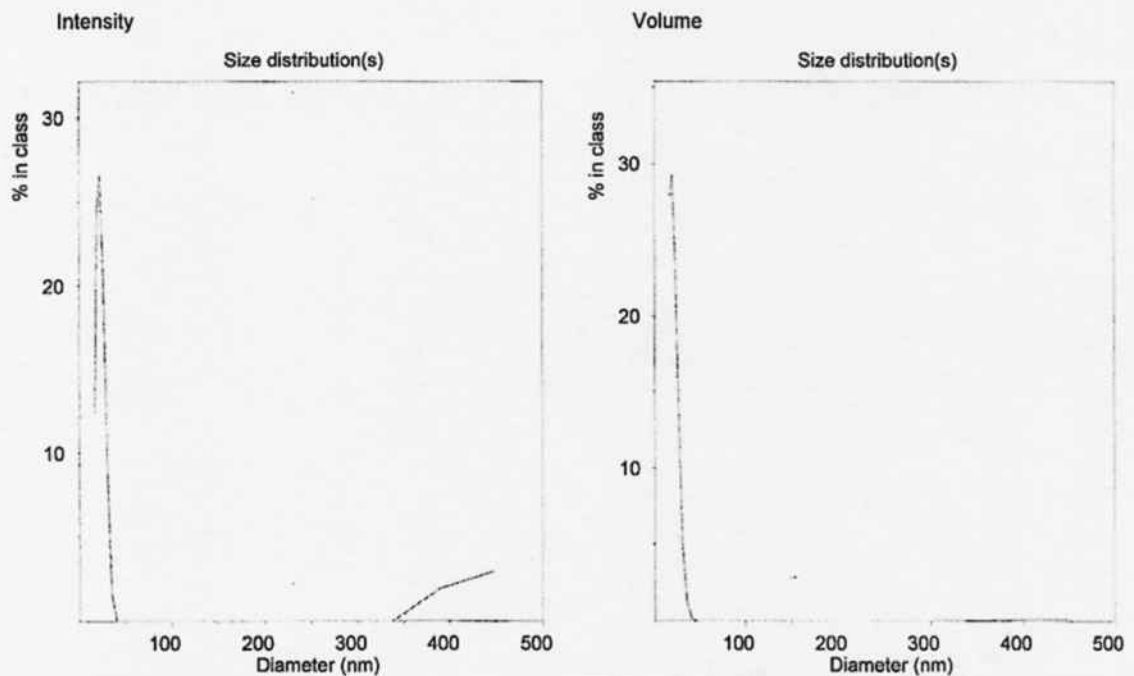
Instrument Type: Zetasizer 3000
Temperature (°C): 25.0
Count rate (kCps): 0.5
Cell Type: Size Cell
Detector Angle (deg.): 90.00

Wavelength (nm): 633.0

Result

Quality Factor: Fail
Z Average Mean(nm): 89.5
Polydispersity: 0.86

Intensity Mean (nm): 43.1
Volume Mean (nm): 22.9
Analysis Mode: Contin



è una iniziativa
dell'Università
degli studi di Ferrara

AmbrosiaLab srl
Via Saragat, 1
44100 Ferrara

t +39 0532 974632
t +39 0532 974635
f +39 0532 455378

info@ambrosialab.com
www.ambrosialab.com

P. Iva 01598500385
Capitale sociale € 10.000,00



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Sol.Ag.coll.
Soluzione Ag colloidale
Laura
Live data
Cell type Capillary cell

analisi del 15/12/2008

Size(nm)	Intensity	Volume	Number
17.9	12.4	27.8	39.9
20.6	24.4	29.2	32.1
23.7	26.6	23.4	18.5
27.3	20.3	13.0	7.2
31.4	9.9	5.1	2.0
36.1	1.6	1.2	0.3
41.5	0.0	0.1	0.0
47.7	0.0	0.0	0.0
54.9	0.0	0.0	0.0
63.1	0.0	0.0	0.0
72.6	0.0	0.0	0.0
83.5	0.0	0.0	0.0
98.0	0.0	0.0	0.0
110.4	0.0	0.0	0.0
127.0	0.0	0.0	0.0
146.1	0.0	0.0	0.0
168.0	0.0	0.0	0.0
193.2	0.0	0.0	0.0
222.2	0.0	0.0	0.0
255.6	0.0	0.0	0.0
294.0	0.0	0.0	0.0
338.1	0.0	0.0	0.0
388.8	1.9	0.0	0.0
447.2	2.9	0.1	0.0

Peak Analysis by intensity

Peak	Area	Mean	Width
1	95.2	23.9	11.9
2	4.8	424.1	12.0

Peak Analysis by volume

Peak	Area	Mean	Width
1	99.8	22.2	6.1

Peak Analysis by number

Peak	Area	Mean	Width
1	100.0	20.9	2.8

Sol.Ag.coll.
 Soluzione Ag colloidale
 Laura
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 Cell type Capillary cell

analisi del 15/12/2008

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