

1 **Microwave-assisted synthesis of silica nanoparticles and their applications in a soy**
2 **plant culture**

3 Daniel Carneiro Freitas, Italo Odone Mazali, Fernando Aparecido Sigoli, Danielle da
4 Silva Francischini and Marco Aurélio Zezzi Arruda

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Supplementary material

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FIGURE SM1

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11 The Tyndall effect in the sample after the synthesis of SiO₂-NPs by microwave

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Figure SM2

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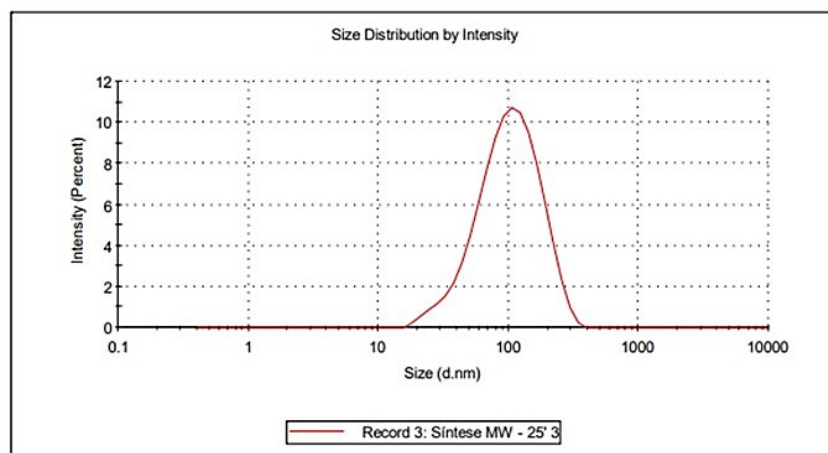
System

Temperature (°C): 25,0 Duration Used (s): 60
Count Rate (kcps): 303,0 Measurement Position (mm): 5,50
Cell Description: Clear disposable zeta cell Attenuator: 6

Results

	Size (d.n...	% Intensity:	St Dev (d.n...
Z-Average (d.nm): 86,22	Peak 1: 112,2	100,0	57,64
Pdl: 0,218	Peak 2: 0,000	0,0	0,000
Intercept: 0,956	Peak 3: 0,000	0,0	0,000

Result quality Good



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17 DLS analysis showing clusters formation with microwave time of 25 min. in step 2. (see
18 Table 1)