

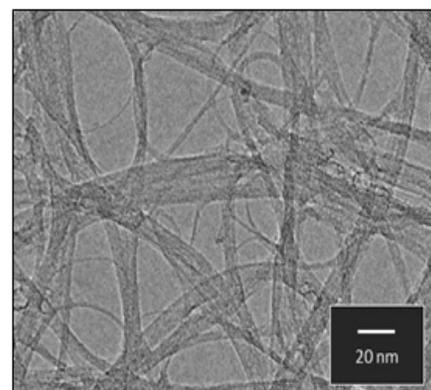
# CG300



## Conductive Single-Wall Carbon Nanotubes

Produced using our patented CoMoCAT™ synthesis technology, CG300 is our most conductive SW CNT product, with CNTs being -COOH functionalized to enhance electrical conductivity.

Property	CG300	Measurement
Carbon Purity	≥ 95 wt%	TGA
CNT Purity	≥ 94 wt%	TGA
Average Diameter	0.84 nm	NIRF
Median Length	1 μm	AFM
Bulk Density	0.1 g/cm <sup>3</sup>	ASTM D7481
Moisture Content	≤ 5 wt%	TGA
Specific Surface Area	≥ 700 m <sup>2</sup> /g	BET
G/D Ratio	≥ 15	Raman (633nm)
Sheet Resistance	≤ 600 Ω/□ @ 85% VLT	TCF



### Standard Product Forms: Powder

Other product forms can be supplied upon request, including Wet Cake, Dispersions, Coating Formulations, Inks, Bucky paper, Coated Films, Patterned Films, etc.

### Let us help you!

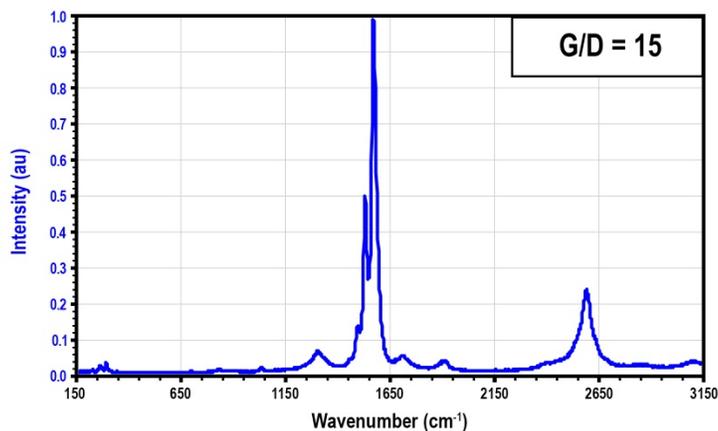
The material scientists and engineers in CHASM's Application Development Center are available to help you determine the product form that is optimal within your application, and provide the guidance to make it scalable and commercially viable.



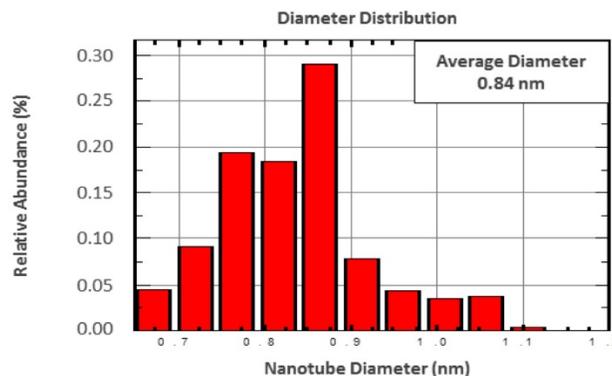
# CG300

## Supporting Data

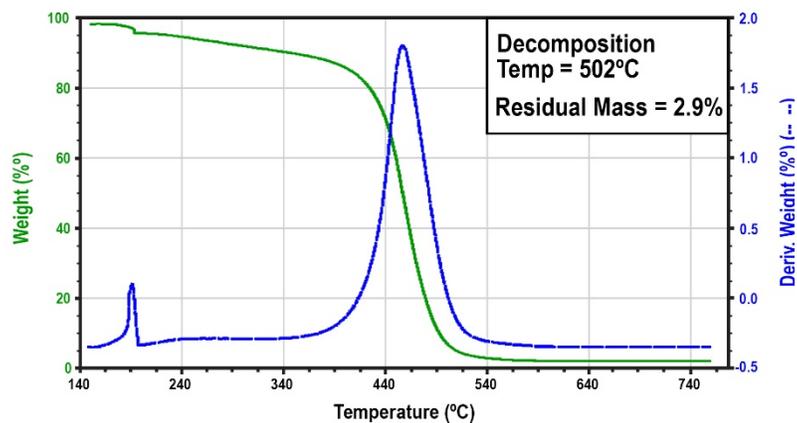
### Raman Analysis (633 nm)



### Diameter Distribution

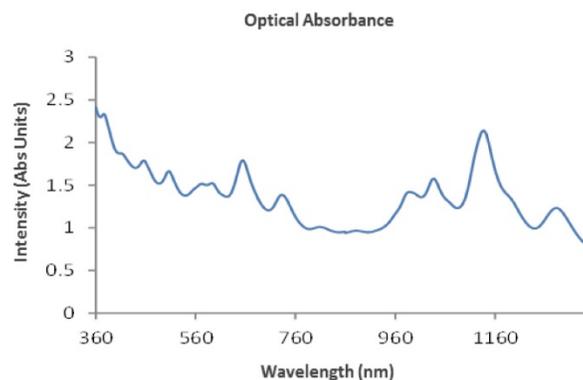


### Thermogravimetric Analysis



### Optical Absorbance

#### OA Peaks Corresponding to Eii Transition Energies of Included Chiral Species



Applications Engineers are available to provide additional data and technical support to help you integrate Signis CNTs into your application. Email [sales@chasmtek](mailto:sales@chasmtek) to request additional information.

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