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Raman Spectroscopy of 3-D Graphene ROBERT FRIEDFELD, JONATHAN BELEW, MATTHEW PUSKO, KYLE DRAKE, Stephen F. Austin State University — Purified powders and three dimensional freestanding graphene foam were assessed analytically through Raman Spectroscopy. Samples were tested in a number of solvents in order to identify the most stable dispersions. Purified powders were shown to be inferior to the “as received” 3D graphene foam as quantified through the above analytical methods. Graphene foams are reported here to represent a highly pure form of graphene that may be dispersed in solution in order to form thin films that retain the same quantifiable qualities as the solid starting material.

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