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# Standard Terminology Relating to Nonsieving Methods of Powder Characterization[1]

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## INTRODUCTION

Particle size distribution, surface area, and other forms of particle analysis have been commonly adopted methods of verifying compliance with desired particle specifications for some time. Greater emphasis is now being placed on inter- and intralaboratory correlation of all particle measurement systems.

To ensure a better understanding of the comparison of testing results from particle measurement systems, terminology relating to the measurements must be clearly defined and documented so that both the recipient and generator of the data are in full agreement as to the meaning of the data. Every effort has been made here to ensure accuracy, precision, and clarity for the terms included in this terminology document. For Committee E29, this is an ongoing process with new terms being developed and defined for future inclusion. Suggestions and comments for additions, corrections, and revisions are welcomed.

## 1. Scope

1.1 This terminology covers the definitions of terms used in the description and procedures of analysis of particulate materials not ordinarily analyzed using test sieves. The terms relate directly to the equipment used in analysis, the physical forms of the materials to be analyzed, and selected descriptive data reduction and analysis formats.

1.2 Committee E29 on Particle and Spray Characterization believes that it is essential to include terms and definitions explicit to the committee's scope, regardless of whether the terms appear in existing ASTM standards. Terms that are in common usage and appear in common-language dictionaries are generally not included, unless they have specific meanings in the context of particle characterization different from the common-language definitions.



[1] This terminology is under the jurisdiction of ASTM Committee E29 on Particle and Spray Characterization and is the direct responsibility of Subcommittee E29.02 on Non-Sieving Methods.

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