

SUBFILE POPULATION IN 2017 POWDER DIFFRACTION FILE™ (PDF®)
RELEASES

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The classification of entries into various subfiles and subclasses are important to enhance the effectiveness of search/match for phase identification using the Powder Diffraction File™, (PDF®). The use of subfiles becomes important when considering there are over 914,000 entries in the combined PDF-4+ and PDF-4/Organics databases. The identification and assignment of subfiles is accomplished in two ways: (i) Manually, by the ICDD's editorial team and task group members, (ii) Semi-automatically by a query-based assignment that compares entries with matching chemistry and similar crystallographic parameters (with a user-defined tolerance factor). New subfile entries are reviewed by various editors and task group members for consistency. Release 2017 includes three new subclasses, Depressants, Stimulants and Pesticides & Antimicrobials, which fall under Bioactivity. This poster is a report on the subfile population in the upcoming 2017 PDF® Releases.