

IN THE WORLD OF FORENSICS,

YOUR FIRST LINE OF DEFENSE IS RELIABLE DATA

FROM THE INTERNATIONAL CENTRE FOR DIFFRACTION DATA

Whether you are analyzing paint, narcotics, explosives or soil, you can rely on ICDD's material identification databases to provide you with the most comprehensive coverage and data quality.

Release 2011 of the Powder Diffraction File boasts >747,000 unique material data sets; offering "fingerprint" comparisons between your control and suspect samples. Each material data set contains a wealth of diffraction, crystallographic and bibliographic data, as well as experimental, instrument and sampling conditions and select physical properties in a common standardized format.

X-ray diffraction, coupled with ICDD databases, offers many advantages in forensic science. This non-destructive technique provides, through the unique character of a diffraction pattern, qualitative phase analysis of trace and/or bulk materials. It provides identification of chemical compounds, distinction between polymorphic forms and distinction between hydrated forms.



	PDF-4+ 2011	PDF-4/Organics 2012
Total Data Entries :	316,291	470,181
Subfiles:		
Active Drug Substances	321	14,184
Forensics	12,428	4,539
Explosives	1,110	736
Ceramics	11,525	309
Pharmaceuticals	6,489	7,709
Pigments	1,299	731
Cement Materials	1,344	494
Battery Materials	966	35
Mineral & Related Materials	37,642	2,416

"CRIMINALS ARE NOT CHOOSY; they generate all sorts of evidence..."



Paints

Building materials

Minerals

Ceramics

Asbestos

Metals and alloys

Explosives

Soils

Drugs

Papers

Pigments

Cosmetics

Plastics and polymers



What would *you* choose to analyze these materials?
You shouldn't have to think – there is only one method –
X-ray powder diffraction in combination with ICDD's databases.

Material Identification Databases from the Database Experts

For more information, please contact
marketing@icdd.com



ICDD, the ICDD logo and PDF are registered in the U.S. Patent and Trademark Office.
Powder Diffraction File is a trademark of JCPDS-International Centre for Diffraction Data

t: 610.325.9814 • toll-free: 866.378.9331 (U.S. & Canada)
www.icdd.com • marketing@icdd.com

