

# ICDD® 2022 Product Summary

Data Entry Source	PDF-4+ 2022 PDF-4+/Web 2022	PDF-4/ Axiom 2022	PDF-4/ Minerals 2022	PDF-4/ Organics 2022	PDF-2 2022
00- ICDD	122,611	36,257	12,805	43,162	122,611
01- FIZ	84,354	13,448	13,987	17,378	194,077
02- CCDC	0	0	0	444,125	0
03- NIST	2,862	412	229	283	10,067
04- MPDS	250,258	51,856	22,819	0	0
05- ICDD Crystal Data	869	0	75	55,247	869
Total No. of Entries	460,954	101,973	49,915	560,195	327,624
Subfile Distribution:					
Inorganic	438,726	92,727	49,861	324,259	305,502
Organic	51,414	11,978	732	548,959	49,726
New Entries	16,187	4,184	969	12,900	10,804
Rietveld—No. with atomic coordinates	353,330	71,560	41,376	156,107	0
Reference Intensity Ratio (RIR)— $I/I_c$	358,223	73,144	38,387	525,705	224,922
Experimental Digital Patterns	17,053	7,535	169	9,167	0

All ICDD databases combine the power of both powder diffraction and crystal structure reference data. We are the only crystallographic database in the world with quality marks and quality review processes that are ISO certified. Each PDF® database includes our integrated data mining software.

## PDF-4+ 2022

### Phase Identification and Quantitation

- Designed for phase identification and quantitative analysis
- Features digitized patterns, molecular graphics, and atomic coordinates
- Data simulation programs enables the analysis of X-ray, neutron, electron, and synchrotron data

## PDF-4+/Web 2022

### Data on the Go

- Provides portability to the PDF-4+ via the internet
- Equivalent to PDF-4+

## PDF-4/Axiom 2022

### Quality Plus Value

- Focused on Identification and Quantitation
- Low cost, 3 year license, no subscription  
**NEW:** 6 and 9-year prepaid packages
- Optional: Two additional seats (3 year license term)
- Requires diffraction equipment manufacturer or vendor software

## PDF-4/Minerals 2022

### Comprehensive Mineral Collection

- The most comprehensive collection of mineral data
- 49,915 minerals and related materials
- Includes all the features of PDF-4+

## PDF-4/Organics 2022

### Solve Difficult Problems, Get Better Results

- Highly targeted collection of materials used in commercial and regulatory fields
- Largest collection of pharmaceuticals, excipients, and polymers
- Includes ICDD's search-indexing software, Sleeve+, as an added value

## PDF-2 2022

### Phase Identification + Value

- Designed for rapid, accurate phase identification
- Cost effective
- 5 years license term

Sleeve  
included  
FREE

PDF-2 is licensed for 5 years. PDF-4+, PDF-4+/Web, PDF-4/Minerals, and PDF-4/Organics are licensed for 1 year. PDF-4/Axiom is licensed for 3 years. If you are concerned about yearly budgets, ICDD offers multi-year licenses that allow you to prepay for future renewals. These licenses are discounted and alleviate budget concerns. You must have a current release of the database in order to purchase a multi-year license.

**NEW:** Extended multi-year license terms! Let us know what you need! We will customize the license term for a 1 to 9-year license term.

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