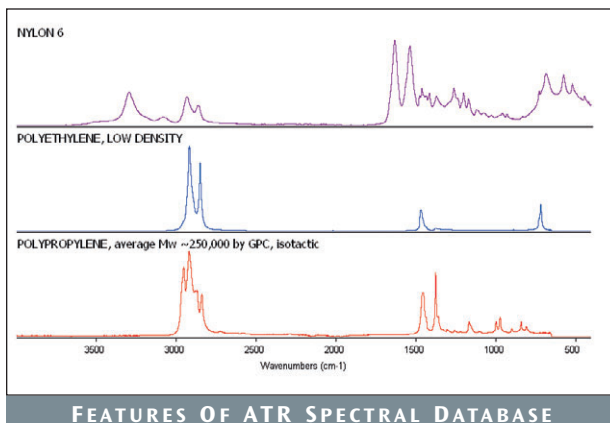


ATR Spectral Databases – Optimize Search Results for ATR Spectral Data



FEATURES OF ATR SPECTRAL DATABASE

- Select from databases with over 32,100 ATR spectra
- All spectra collected using FTIR spectrometers and a single reflection ATR
- Complete collections and applications databases available
- Compatible with most FTIR software

Spectral search is greatly improved when using databases collected using the same sampling mode – especially when the sampling mode is ATR. PIKE Technologies offers a large selection of ATR spectral databases.

The Aldrich ATR Spectral Database contains 18,513 spectra produced by the Aldrich Chemical Company. The collection includes organic and inorganic compounds and also includes polymers and industrial chemicals. Spectral range is 4000 – 650 cm^{-1} .

The IChem ATR Spectral Database contains 13,557 spectra produced by Fine Chemical manufacturers in Japan. This collection includes organic and inorganic compounds, basic polymers and industrial chemicals. Spectral range is 4000 – 650 cm^{-1} .

The Aldrich-IChem ATR Spectral Database Package includes 36,639 spectra, a combination of all ATR spectra from both databases – with no duplicate entries.

A wide variety of applications spectral Database packages are formed from the Aldrich ATR and the IChem ATR databases.

All spectral databases are supplied on a CD and operate with Windows® 2000 and Windows XP.

These spectral databases are compatible with ABB-Horizon MBTM, ACD/Labs, Bruker Opus, Jasco-Spectra Manager Suite, Lumex-Spectralum, PerkinElmer Spectrum, Mattson WinFirst, Shimadzu IRSolution and HyperIR, LabControl Spectacle, Thermo OMNIC, Varian Resolutions, Grams 32 and SpectralID software packages. A USB port is required on your PC where a dongle is installed for copy protection.

ORDERING INFORMATION

ATR Spectral Databases

PART NUMBER	DESCRIPTION
008-1000	Aldrich ATR Spectral Database (18,513 spectra)
008-2000	IChem ATR Spectral Database (13,557 spectra)
008-3000	Aldrich-IChem ATR Spectral Database Package (36,639 spectra)

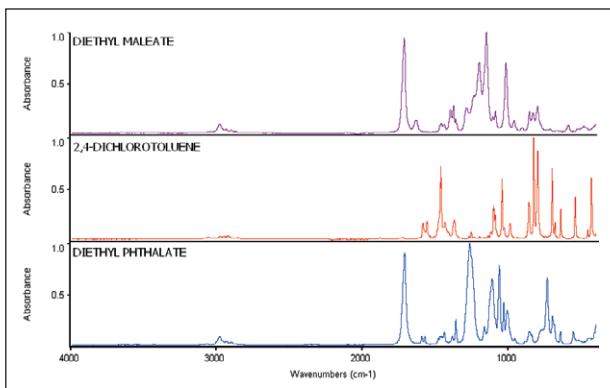
Notes: The spectral databases include a USB based device – dongle for copy protection. Please designate either 2 cm^{-1} or 4 cm^{-1} spectral data format.

ATR Application Specific Spectral Databases

PART NUMBER	DESCRIPTION
008-3002	ATR Applications – Polymers and Polymer Additives (4,520 spectra)
008-3003	ATR Applications – Food Additives and Food Packaging (2,762 spectra)
008-3004	ATR Applications – Solvents (667 spectra)
008-3005	ATR Applications – Organometallics and Inorganics (2,149 spectra)
008-3006	ATR Applications – Biochemicals (5,343 spectra)
008-3007	ATR Applications – Aldehydes and Ketones (3,482 spectra)
008-3008	ATR Applications – Alcohols and Phenols (2,671 spectra)
008-3009	ATR Applications – Esters and Lactones (4,170 spectra)
008-3010	ATR Applications – Hydrocarbons (1,175 spectra)
008-3011	ATR Applications – Flavors, Fragrances and Cosmetic Ingredients (2,716 spectra)
008-3012	ATR Applications – Pesticides (1,820 spectra)
008-3013	ATR Applications – Semiconductor Chemicals (919 spectra)
008-3014	ATR Applications – Forensic (3,579 spectra)
008-3015	ATR Applications – Dyes, Pigments and Stains (2,857 spectra)
008-3016	ATR Applications – Sulfur and Phosphorus Compounds (5,336 spectra)
008-3017	ATR Applications – Hazardous Chemicals (3,730 spectra)
008-3018	ATR Applications – Hazardous and Toxic Chemicals (8,136 spectra)
008-3020	ATR Applications – Pharmaceuticals, Drugs and Antibiotics (2,715 spectra)
008-3021	ATR Applications – High Production Volume (HPV) Chemicals (1,315 spectra)
008-3025	ATR Applications – Coatings (1,809 spectra)
008-3026	ATR Applications – Paints (2,507 spectra)

Notes: The spectral databases include a USB based device – dongle for copy protection. Please designate either 2 cm^{-1} or 4 cm^{-1} spectral data format. Specify your FTIR software for correct format.

Transmission Spectral Databases – High Quality Spectral Data for Optimized Search Results



FEATURES OF TRANSMISSION SPECTRAL DATABASE

- Select from databases with over 50,000 transmission spectra
- All spectra collected using FTIR spectrometers and transmission sampling mode
- Complete collections and applications databases available
- Compatible with most FTIR software

PIKE Technologies offers a large collection of high quality, spectral databases collected in the transmission sampling mode.

The SDBS Transmission Spectral Databases include over 50,000 spectra produced by Fine Chemical manufacturers in Japan. All spectra were collected at the Japanese National Laboratories under highly controlled conditions with secondary verification of the materials by NMR and MS. Data is measured using several sample preparation methods. Spectral range is 4000 – 400 cm⁻¹.

The SDBS Transmission by KBR Pellet Spectral Database contains 22,995 spectra. This collection includes organic and inorganic compounds, basic polymers and industrial chemicals.

The SDBS Transmission by Liquid Film Spectral Database contains 7,018 spectra. This collection includes organic compounds and industrial chemicals.

The SDBS Transmission by Nujol Mull Spectral Database contains 21,127 spectra. This collection includes organic and inorganic compounds and industrial chemicals.

A wide variety of applications spectral Database packages are formed from the KBR Pellet and Liquid Film Spectral databases.

All spectral databases are supplied on a CD and operate with Windows® 2000 and Windows XP.

These spectral databases are compatible with ABB-Horizon MBTM, ACD/Labs, Bruker Opus, Jasco-Spectra Manager Suite, Lumex-Spectralum, PerkinElmer Spectrum, Mattson WinFirst, Shimadzu IRSolution and HyperIR, LabControl Spectacle, Thermo OMNIC, Varian Resolutions, Grams 32 and SpectralID software packages. A USB port is required on your PC where a dongle is installed for copy protection.

ORDERING INFORMATION

Transmission Spectral Databases

PART NUMBER DESCRIPTION

008-4001	SDBS Transmission by KBr Pellet Spectral Database (22,995 spectra)
008-4004	SDBS Transmission by Liquid Film Spectral Database (7,018 spectra)
008-4005	SDBS Transmission by Nujol Mull Spectral Database (21,127 spectra)

Notes: The spectral databases include a USB based device – dongle for copy protection. Please designate either 2 cm¹ or 4 cm¹ spectral data format.

Application Based Spectral Databases

PART NUMBER DESCRIPTION

008-5002	Transmission Applications – Polymers and Polymer Additives (1,273 spectra)
008-5003	Transmission Applications – Food Additives and Food Packaging (1,684 spectra)
008-5004	Transmission Applications – Solvents (668 spectra)
008-5005	Transmission Applications – Organometallics and Inorganics (1,445 spectra)
008-5006	Transmission Applications – Biochemicals (4,590 spectra)
008-5007	Transmission Applications – Aldehydes and Ketones (4,226 spectra)
008-5008	Transmission Applications – Alcohols and Phenols (2,744 spectra)
008-5009	Transmission Applications – Esters and Lactones (4,335 spectra)
008-5010	Transmission Applications – Hydrocarbons (1,417 spectra)
008-5011	Transmission Applications – Flavors, Fragrances and Cosmetic Ingredients (1,912 spectra)
008-5012	Transmission Applications – Pesticides (958 spectra)
008-5013	Transmission Applications – Semiconductor Chemicals (664 spectra)
008-5014	Transmission Applications – Forensic (1,555 spectra)
008-5015	Transmission Applications – Dyes, Pigments and Stains (1,473 spectra)
008-5016	Transmission Applications – Sulfur and Phosphorus Compounds (5,025 spectra)
008-5017	Transmission Applications – Hazardous Chemicals (2,664 spectra)
008-5018	Transmission Applications – Hazardous and Toxic Chemicals (6,604 spectra)
008-5020	Transmission Applications – Pharmaceuticals, Drugs and Antibiotics (2,806 spectra)
008-5021	Transmission Applications – High Production Volume (HPV) Chemicals (1,123 spectra)

Notes: The spectral databases include a USB based device – dongle for copy protection. Please designate either 2 cm¹ or 4 cm¹ spectral data format. Specify your FTIR software for correct format.