

## **NICODOM FTIR Solvents**

The infrared spectral library „NICODOM FTIR Solvents“ contains 445 FTIR spectra of solvents.

The spectra were collected using the FTIR Spectrometer Nexus 670™ (Thermo) and the Miracle™ single bounce ATR accessory (Pike Technologies) equipped by silicon crystal.

The spectra were collected with resolution 2cm<sup>-1</sup> (the library has resolution 4cm<sup>-1</sup>) in the spectral range 600-4000 cm<sup>-1</sup>, measurement time 1 minute, the instrument was purged by dried air.

Information about the sample contains:

Compound Name (up to 15 synonyms)

CAS Number

Molecular Formula

Boiling Point in °C

Molecular Weight

Compound Category

Sample Purity

## **List of spectra**

The following list contains only the compound names. The original list delivered with the library will contain the complete information including Compound Name (up to 15 synonyms), CAS Number, Molecular Formula, Boiling Point in °C, Molecular Weight, Compound Category. Sample Purity

<b>Code</b>	<b>Name</b>
S1N001	N,N-Diethylethanolamine
S1N002	Ethylbenzene
S1N003	Styrene
S1N004	Benzyl chloride
S1N005	Benzylamine
S1N006	Benzonitrile
S1N007	Benzyl alcohol
S1N008	Benzaldehyde
S1N009	N-Methylcyclohexylamine
S1N010	Phenylhydrazine
S1N011	Thioanisole
S1N012	g-Phenyl-g-butyrolactone
S1N013	Dicyclohexylamine
S1N014	Phenyl Ether
S1N015	Triethanolamine
S1N016	Triacetin
S1N017	Tributylamine
S1N018	D-(-)-Lactic acid
S1N019	Ethyl cinnamate
S1N020	b-Bromostyrene
S1N021	Ethylaniline
S1N022	Phenyl Isocyanate
S1N023	Phenyl isothiocyanate
S1N024	Anethole
S1N025	Cinnamyl alcohol
S1N026	2-Ethylhexylamine
S1N027	2-Ethyl-1-hexanol
S1N028	5-Ethyl-2-methylpyridine
S1N029	Methyl cyanoacetate
S1N030	Ethyl bromoacetate
S1N031	Ethyl chloroacetate
S1N032	Ethyl crotonate
S1N033	Diethyl malonate
S1N034	Ethyl butyrate
S1N035	Ethyl cyanoacetate
S1N036	Diethyl carbonate
S1N037	e-Caprolactam
S1N038	(R)-(-)-Ethyl mandelate
S1N039	Butyl laurate
S1N040	DL-Citronellol

S1N041	Ethyl dodecylate
S1N042	4-Chlorotoluene
S1N043	p-Cresol
S1N044	p-Toluidine
S1N045	Dimethyl succinate
S1N046	Epichlorhydrin
S1N047	1,2-Dibromoethane
S1N048	1,2-Dichloroethane
S1N049	2-Chloroethanol
S1N050	Acrylonitrile
S1N051	Ethylenediamine
S1N052	Propargyl alcohol
S1N053	Ethylene glycol
S1N054	Methyl formate
S1N055	Benzene-d6
S1N056	2-Bromopentane
S1N057	2-Pentanone
S1N058	1,3-Butanediol
S1N059	3-Mercaptopropionic acid
S1N060	Dimethylaminoethanol
S1N061	Methyl isobutyl ketone
S1N062	Diisopropylamine
S1N063	Diisopropyl ether
S1N064	Isopropenyl acetate
S1N065	Acetic anhydride
S1N066	Propylene carbonate
S1N067	m-Cresol
S1N068	3-Chloroaniline
S1N069	m-Toluidine
S1N070	2,4-Lutidine
S1N071	2,6-Lutidine
S1N072	2,4,6-Collidine
S1N073	Diisobutylketone
S1N074	Toluene
S1N075	Cyclohexylamine
S1N076	Cyclohexanol
S1N077	Cyclohexanone
S1N078	Phenol
S1N079	Thiophenol
S1N080	4-Methylmorpholine
S1N081	2-Bromopyridine
S1N082	2-Picoline
S1N083	1-Valeric acid
S1N084	3-Dimethylaminopropylamine
S1N085	Propyl acetate
S1N086	1,3-Dibromopropane
S1N087	1-Bromobutane
S1N088	Pentane

S1N089	1-Bromo-3-chloropropane
S1N090	1,3-Diaminopropane
S1N091	3-Hydroxypropionitrile
S1N092	Ethylene glycol monomethyl ether
S1N093	Diethylamine
S1N094	Ethyl formate
S1N095	Tetrahydrofuran
S1N096	Tetrahydrothiophene
S1N097	Thiophene
S1N098	Acetylacetone
S1N099	N,N,N',N'-Tetramethylethylenediamine
S1N100	Isoamyl formate
S1N101	1,4-Dibromobutane
S1N102	Hexane
S1N103	Amylamine
S1N104	1,4-Butanediol
S1N105	2-Butene-1,4-diol
S1N106	Ethylene glycol dimethyl ether
S1N107	2-Ethylaminoethanol
S1N108	Ethylene glycol monoethyl ether
S1N109	Cyclohexane
S1N110	Cyclohexene
S1N111	Pyridine
S1N112	2,3-Dihydro-4H-pyran
S1N113	Piperidine
S1N114	Morpholine
S1N115	2-Ethoxyethyl acetate
S1N116	1-Bromohexane
S1N117	1-Hexanol
S1N118	1,5-Pentanediol
S1N119	Diethylenetriamine
S1N120	Diethanolamine
S1N121	2,2'-Dichloroethyl ether
S1N122	Diethylene glycol
S1N123	2,2'-Thiodiethanol
S1N124	Trioctylamine
S1N125	1-Heptanol
S1N126	1,3-Butanediol diacetate
S1N127	Ethylene glycol monobutyl ether
S1N128	1,5-Cyclooctadiene
S1N129	1-Bromooctane
S1N130	1-Octanol
S1N131	Ethylene Diglycol Monoethyl Ether
S1N132	Dibutylamine
S1N133	Diethylene Glycol Dimethyl Ether
S1N134	1-Tetradecene
S1N135	Nonylamine
S1N136	4-Acetylpyridine

S1N137	Nitrocyclohexane
S1N138	Triethylene glycol
S1N139	1-Decanol
S1N140	N-Decyl aldehyde
S1N141	2-(2-Butoxyethoxy)ethanol
S1N142	Methyl Palmitate
S1N143	Dodecane
S1N144	1-Dodecene
S1N145	1-Undecanol
S1N146	1-Dodecanol
S1N147	Methyl Oleate
S1N148	Dodecyl acetate
S1N149	Diethylene Glycol Dibutyl Ether
S1N150	Oleic acid
S1N151	1-Octadecene
S1N152	Methyl dichloroacetate
S1N153	Dioctyl phthalate
S1N154	Ethyl salicylate
S1N155	2-Acetylfuran
S1N156	4-Methyl-2-nitrophenol
S1N157	Methyl Salicylate
S1N158	1,2,3,4-Tetrahydronaphthalene
S1N159	Isoquinoline
S1N160	Benzyl benzoate
S1N161	Cyclopentanone
S1N162	Dibenzosuberone
S1N163	Triethylamine
S1N164	N,N-Dimethylaniline
S1N165	1,1,3,3-Tetraethoxypropane
S1N166	2-Phenoxyethanol
S1N167	Diethyl succinate
S1N168	Propionaldehyde
S1N169	N-Methylformamide
S1N170	Diacetone Alcohol
S1N171	3-Methyl-1-butanol
S1N172	Acetylacetone
S1N173	Ethyl caproate
S1N174	Butyraldehyde
S1N175	Butyl acetate
S1N176	p-Dioxane
S1N177	Isoamyl acetate
S1N178	2-Octanol
S1N179	Octanoic acid
S1N180	Decane
S1N181	2-Amino-2-methyl-1-propanol
S1N182	Tetramethylene sulfone
S1N183	Tributyl phosphate
S1N184	Tetrachloroethylene

S1N185	N,N-Dimethylacetamide
S1N186	b-Pinene
S1N187	Dimethyl phthalate
S1N188	Diallyl Phthalate
S1N189	Xylenes Mixed
S1N190	Tritolyl phosphate
S1N191	Diethyl ethylmalonate
S1N192	1-Phenyl-1-propanol
S1N193	(S)-(+)-Ethyl mandelate
S1N194	2-Methyl-1-butanol
S1N195	Cyclopentyl bromide
S1N196	Diphenyl sulfide
S1N197	Benzyl acetate
S1N198	Phenylacetonitrile
S1N199	Ethyl Acrylate
S1N200	Diethyl adipate
S1N201	Monoethanolamine
S1N202	Ethyl acetate
S1N203	Mesityl oxide
S1N204	Ethyl acetoacetate
S1N205	Hexanoic acid
S1N206	Heptane
S1N207	Butyl ether
S1N208	1-Nonanol
S1N209	1-Bromododecane
S1N210	Ethyl 5-bromovalerate
S1N211	2-Ethylpiperidine
S1N212	(R)-(-)-2-Butanol
S1N213	b-Ionone
S1N214	1-Fluoro-2-nitrobenzene
S1N215	Diethyl 2-acetylglutarate
S1N216	Cyclododecene
S1N217	p-Phenetidine
S1N218	(S)-(-)-2-Methyl-1-butanol
S1N219	3-Amino-1-propanol
S1N220	Cyclohexylmercaptan
S1N221	(+/-)-2-Butanol
S1N222	Ethyl benzoylformate
S1N223	2-Cyanoethyl ether
S1N224	Dichloromethane-d2
S1N225	Tetrahydrofuran-d8
S1N226	3-(Dimethylamino)propionitrile
S1N227	Diisopropyl phosphite
S1N228	Methyl Crotonate
S1N229	Phenylchloroformate
S1N230	(2S,3S)-(+)-2,3-Butanediol
S1N231	Diethyl pimelate
S1N232	Diethyl suberate

S1N233	Diethyl propylmalonate
S1N234	Acetonitrile-d3
S1N235	Methyl sulfoxide-d6
S1N236	1,4-Butanediol diglycidyl ether
S1N237	1,1,2-Trimethoxyethane
S1N238	(2R,3R)-(-)-2,3-Butanediol
S1N239	DL-a-Pinene
S1N240	(S)-(+)-1,3-Butanediol
S1N241	Nonylphenol
S1N242	Dodecenylsuccinic anhydride
S1N243	Methylcyclohexanol
S1N244	Hexanol
S1N245	1-Ethyl-2-pyrrolidinone
S1N246	Cyclopentane
S1N247	Cyclohexyl isocyanate
S1N248	2,5-Dimethoxy-2,5-dihydrofuran (cis+trans)
S1N249	2-Fluoroaniline
S1N250	3-Acetylpyridine
S1N251	Diundecyl phthalate
S1N252	Crotonic acid
S1N253	1,10-Dibromodecane
S1N254	(+/-)-2-Octanol
S1N255	Crotonaldehyde
S1N256	(S)-(+)-2-Butanol
S1N257	(S)-(+)-1,2-Propanediol
S1N258	Ethyl mandelate
S1N259	2-Bromomethyl-1,3-dioxolane
S1N260	a,a,a-Trifluoro-p-tolualdehyde
S1N261	4-Fluorobenzaldehyde
S1N262	(1R)-(+)-Camphor
S1N263	Cineole
S1N264	Lactic Acid
S1N265	Cycloheptanol
S1N266	Cyclooctanone
S1N267	Dibutyl ketone
S1N268	Isovaleric acid
S1N269	1,3-Propanediol
S1N270	2,3-Butanediol
S1N271	Diethyl benzalmonate
S1N272	3-Methoxypropylamine
S1N273	m-Anisidine
S1N274	Isobutylbenzene
S1N275	Ethyl levulinate
S1N276	Diisobutyl carbonate
S1N277	t-Butyl Acetate
S1N278	Isoamyl ether
S1N279	1-Chlorohexane
S1N280	Dibutyl sulfide

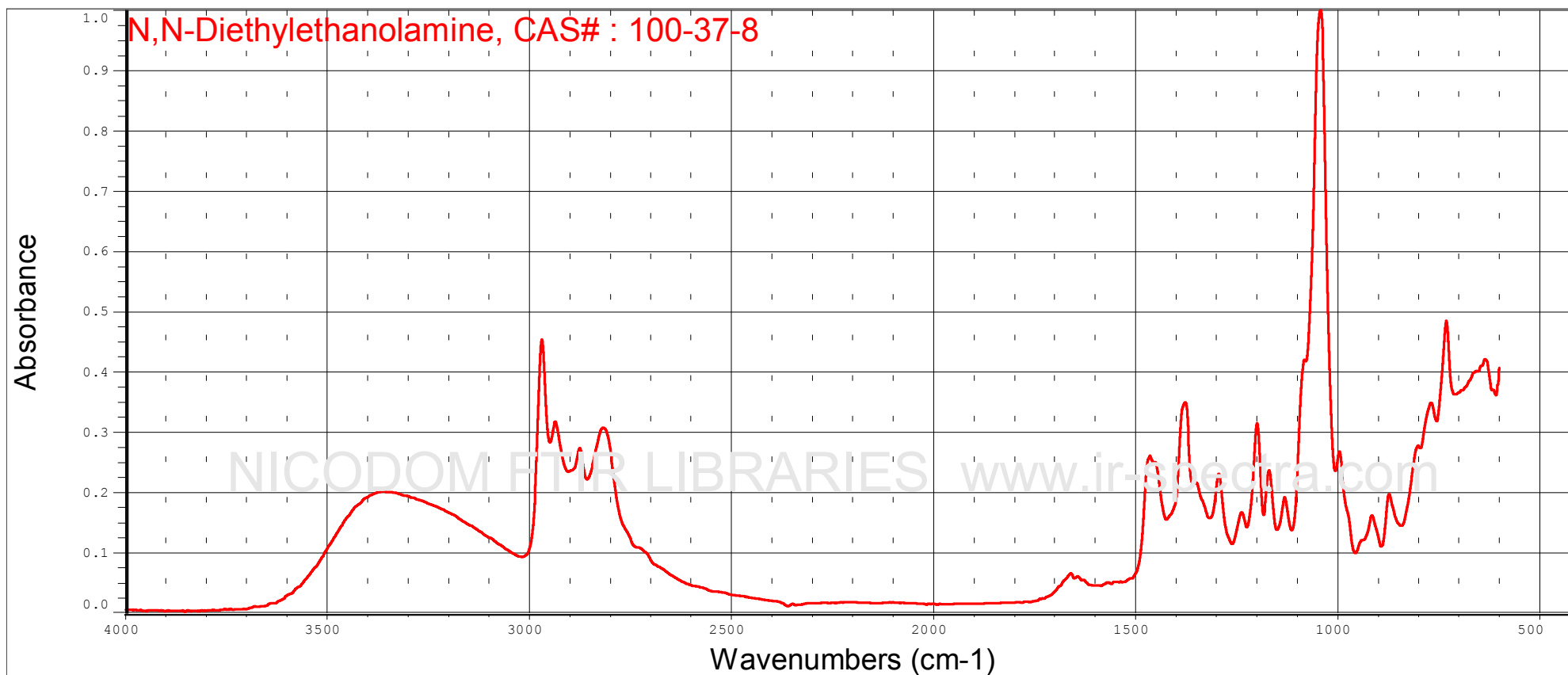
S1N281	Ethyl 3-mercaptopropionate
S1N282	3,3'-Diaminodipropylamine
S1N283	Carbon Tetrachloride
S1N284	3-Methyl-2-butanone
S1N285	Glycerin
S1N286	Diethyl acetylmalonate
S1N287	1,1,1-Trichloro-2-methyl-2-propanol
S1N288	Propylene Glycol
S1N289	2-Bromoanisole
S1N290	2-Methylcyclohexanone
S1N291	2-Methyl-2-pentanol
S1N292	Iodobenzene
S1N293	Butyl formate
S1N294	2,3-Dimethyl-2-butanol
S1N295	(R)-(-)-2-Octanol
S1N296	2-Chloropropionic acid
S1N297	DL-Lactic acid
S1N298	d-Limonene
S1N299	Tributylin
S1N300	Phenethyl alcohol
S1N301	2-Mercaptoethanol
S1N302	Diethyl ether
S1N303	Diethyl methylmalonate
S1N304	Ethyl-2-methylacetoacetate
S1N305	cis-2-Butene-1,4-diol
S1N306	1-Ethyl-2-nitrobenzene
S1N307	o-Bromaniline
S1N308	2-Bromohexanoic acid
S1N309	(S)-(+)-2-Octanol
S1N310	2-Benzyloxyethanol
S1N311	Cyclohexyl acetate
S1N312	3-Diethylamino-1-propanol
S1N313	p-Chloroanisole
S1N314	2-Methyl-2-hexanol
S1N315	Aniline
S1N316	2-Hexanol
S1N317	1,4-Pentandiol
S1N318	Ethoxyacetic acid
S1N319	1-Nitrobutane
S1N320	3-Chloro-1-propanol
S1N321	Amyl Acetate
S1N322	R-(-)-1,3-Butanediol
S1N323	1,6-Dibromohexane
S1N324	1-Bromoheptane
S1N325	Tridecane
S1N326	1-Hexadecene
S1N327	Heptadecane
S1N328	1,1,3,3-Tetramethylurea



S1N329	2,5-Dimethylthiophene
S1N330	1-Iodohexane
S1N331	Ethanol
S1N332	Formic acid
S1N333	Acetic Acid
S1N334	1,3-Dioxolane
S1N335	Acetone-d6
S1N336	Methyl alcohol
S1N337	2-Propanol
S1N338	Acetone
S1N339	Chloroform
S1N340	Dimethylsulfoxide
S1N341	Hexamethylphosphoramide
S1N342	Thioglycolic Acid
S1N343	N,N-Dimethylformamide
S1N344	Petroleum ether
S1N345	L-(+)-Lactic acid, ethyl ester
S1N346	1-Bromononane
S1N347	$\gamma$ -Caprolactone
S1N348	2,4-Dinitrofluorobenzene
S1N349	1-Propanol
S1N350	1-Butanol
S1N351	1-Pentanol
S1N352	Benzene
S1N353	trans-1,2-Dibromocyclohexane
S1N354	Acetonitrile
S1N355	Dichloromethane
S1N356	Formamide
S1N357	Carbon disulfide
S1N358	Isopropylamine
S1N359	Nitromethane
S1N360	Propylene Oxide
S1N361	t-Butylamine
S1N362	t-Butyl alcohol
S1N363	2-Methyl-2-butanol
S1N364	2,2,2-Trifluoroethanol
S1N365	Trichloroacetic acid
S1N366	1,1,2-Trichlorotrifluoroethane
S1N367	Methoxyflurane
S1N368	2-Butyn-1-ol
S1N369	Ethyl D-lactate
S1N370	Water
S1N371	Dicyclopentadiene
S1N372	$\alpha$ -Pinene
S1N373	(1R)-(+)- $\alpha$ -Pinene
S1N374	Deuterium Oxide
S1N375	Triethyl citrate
S1N376	1,2-Dibromopropane

S1N377	Isobutylbromide
S1N378	2-Methyl-1,3-butadiene
S1N379	Isobutyronitrile
S1N380	2-Methyl-1-propanol
S1N381	2-Butanol
S1N382	2-Butanone
S1N383	Chloroacetone
S1N384	Trichloroethylene
S1N385	Propionic acid
S1N386	N-Methylacetamide
S1N387	Methyl chloroformate
S1N388	Nitroethane
S1N389	Isobutanoic acid
S1N390	1,1,2,2-Tetrachloroethane
S1N391	2-Nitropropane
S1N392	Petroleum ether
S1N393	Methyl p-toluenesulfonate
S1N394	Pinene
S1N395	2-Bromobutyric acid
S1N396	Methyl alcohol-d4
S1N397	Diethyl phthalate
S1N398	Dibutyl phthalate
S1N399	Chloroform-d1
S1N400	1-Decene
S1N401	Hexachloro-1,3-butadiene
S1N402	2-Acetylthiophene
S1N403	o-Nitrotoluene
S1N404	2-Chlorobenzaldehyde
S1N405	Salicylaldehyde
S1N406	o-Anisidine
S1N407	Guaiacol
S1N408	1-Bromonaphthalene
S1N409	1-Chloronaphthalene
S1N410	Veratrole
S1N411	Decahydronaphthalene
S1N412	Quinoline
S1N413	o-Nitroanisole
S1N414	N,N-Diethylaniline
S1N415	1,1,1,3,3,3-Hexafluoro-2-propanol
S1N416	3,4-Dimethoxybenzyl alcohol
S1N417	Cyclooctene
S1N418	Methyl benzoate
S1N419	Ethyl benzoate
S1N420	Indene
S1N421	o-Xylene
S1N422	o-Cresol
S1N423	1,2-Dichlorobenzene
S1N424	2-Chloroaniline

S1N425	o-Toluidine
S1N426	o-Chlorophenol
S1N427	Diethyl oxalate
S1N428	1,3-Dichloro-2-propanol
S1N429	3-Chloro-1,2-propanediol
S1N430	Methyl chloroacetate
S1N431	Cyclopentanol
S1N432	g-Butyrolactone
S1N433	Ethylene carbonate
S1N434	L-(+)-Lactic acid, ethyl ester
S1N435	Butyl methacrylate
S1N436	Ethylene glycol dimethacrylate
S1N437	Tetrahydrofurfuryl alcohol
S1N438	Furfuryl alcohol
S1N439	2-Furaldehyde
S1N440	t-Butylbenzene
S1N441	Isopropylbenzene
S1N442	Acetophenone
S1N443	Nitrobenzene
S1N444	4-Isopropyltoluene
S1N445	Methylcyclohexanols



Spectrum Code: S1N001, Name: N,N-Diethylethanolamine

CAS#: 100-37-8

Synonyms:

2-Diethylaminoethanol; 2-hydroxytriethylamine; 2-N,N-diethylaminoethanol; beta-hydroxytriethylamine; diethyl(2-hydroxyethyl)amine;

DEAE; n-diethylaminoethanol; N,N-Diethyl-2-hydroxyethylamine;

N,N-Diethylethanolamine; N,N-diethyl-N-(beta-hydroxyethyl)amine;

Formula: C<sub>6</sub>H<sub>15</sub>N<sub>1</sub>O<sub>1</sub>, Boiling Point (°C): 162.000

Molecular Weight: 117.191, Category: Non-aromatic amines

Purity: >98%

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