

## **NICODOM IR Demo Library – 50 Spectra**

The infrared spectral library „NICODOM IR Demo Library“ contains 50 FTIR spectra. The purpose of this library is to test if the library format is compatible with your spectroscopic software. Download the library in the format corresponding with your spectroscopical software and check if it is compatible. When purchasing a Nicodomo IR Library, specify the requested library format.

The Nicodomo libraries are available also in \*.pdf format for those who do not possess any spectroscopical software. Additionally, the \*.pdf file of the ordered library is delivered with each order of any library in digital format.

The „NICODOM IR Demo Library“ contains IR spectra selected from commercial Nicodomo Libraries:

Nicodomo IR Chemicals (spectrum 1-10)  
Nicodomo IR Food Additives (spectrum 11-20)  
Nicodomo IR Pharmaceuticals (spectrum 21-30)  
Nicodomo IR Polymers (spectrum 31-40)  
Nicodomo IR Solvents (spectrum 41-50)

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.

## **List of Spectra**

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Spectrum Code: NDEM01

<http://www.ir-spectra.com/>

Sulfamic acid, CAS# : 5329-14-6

Nicodomo Demo Library: Code: NDEM01 , From: Nicodomo IR Chemicals, Copyright NICODOM 2006

Spectrum Info 1: Formula: H<sub>3</sub>NO<sub>3</sub>S, Mol.Weight: 97.090, Purity: 99+%, Category: Non-metallic inorganics

Other Info: Chemical

Synonyms: Amidosulfonic acid

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Spectrum Code: NDEM02

<http://www.ir-spectra.com/>

2-Oxohexamethyleneimine, e-Caprolactam, CAS# : 105-60-2

Nicodomo Demo Library: Code: NDEM02 , From: Nicodomo IR Chemicals, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>6</sub>H<sub>11</sub>NO, Mol.Weight: 113.159, Purity: 99%, Category: Non-aromatic amides

Other Info: Chemical

Synonyms: 1,6-hexolactam; 2-azacycloheptanone; 2H-azepin-7-one,hexahydro;

2-ketohexamethylenimine; 2-oxohexamethylenimine; 2-perhydroazepinone;

6-aminohexanoic acid cyclic lactam; 6-aminocaproic acid lactam;

6-amino-hexanoic acid lactam;

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Spectrum Code: NDEM03

<http://www.ir-spectra.com/>

1'-Acetonaphthone, CAS# : 941-98-0

Nicodom Demo Library: Code: NDEM03 , From: Nicodom IR Chemicals, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>12</sub>H<sub>10</sub>O, Mol.Weight: 170.210, Purity: 97%, Category: Aromatic Ketones

Other Info: Chemical

Synonyms: 1-(1-naphthyl)ethanone; 1-Acetonaphthalene; 1-Acetonaphthone; 1'-Acetonaphthone; 1-Acetylnaphthalene; 1-Naphthyl methyl ketone; Alpha-acetonaphthone; alpha-Methyl naphthyl ketone; methyl 1-naphthyl ketone;

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Spectrum Code: NDEM04

<http://www.ir-spectra.com/>

Cholesteryl oleyl carbonate, CAS# : 17110-51-9

Nicodom Demo Library: Code: NDEM04 , From: Nicodom IR Chemicals, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>46</sub>H<sub>80</sub>O<sub>3</sub>, Mol.Weight: 681.136, Purity: 97%, Category: Steroids and indole alkaloids

Other Info: Chemical

Synonyms: Cholesteryl oleyl carbonate

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Spectrum Code: NDEM05

<http://www.ir-spectra.com/>

Pentyl propionate, CAS# : 624-54-4

Nicodom Demo Library: Code: NDEM05 , From: Nicodom IR Chemicals, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>8</sub>H<sub>16</sub>O<sub>2</sub>, Mol.Weight: 144.210, Purity: 99+%, Category: Non-aromatic esters and lactones

Other Info: Chemical

Synonyms: n-Pentyl propionate; Amyl n-propanoate; Pentyl propionate; Propanoic acid pentyl ester;

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Spectrum Code: NDEM06

<http://www.ir-spectra.com/>

2-Isopropylidene-5-methylcyclohexanone, CAS# : 89-82-7

Nicodom Demo Library: Code: NDEM06 , From: Nicodom IR Chemicals, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>10</sub>H<sub>16</sub>O, Mol.Weight: 152.240, Purity: 98+%, Category: Non-aromatic ketones

Other Info: Chemical

Synonyms: Pulegone; p-Menth-4(8)-en-3-one

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Spectrum Code: NDEM07

<http://www.ir-spectra.com/>

Caryophyllene oxide , CAS# : 1139-30-6

Nicodom Demo Library: Code: NDEM07 , From: Nicodom IR Chemicals, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>15</sub>H<sub>24</sub>O, Mol.Weight: 220.350, Purity: 98+%, Category: Non-aromatic ethers; acetals and epoxides

Other Info: Chemical

Synonyms:

(1R,4R,6R,10S)-4,12,12-Trimethyl-9-methylene-5-oxatricyclo[8.2.0.0(4,6)]dodecane;  
Caryophyllene oxide; (-)-Caryophyllene oxide;

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Spectrum Code: NDEM08

<http://www.ir-spectra.com/>

3-Ketobutyraldehyde dimethyl acetal, CAS# : 5436-21-5

Nicodom Demo Library: Code: NDEM08 , From: Nicodom IR Chemicals, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>6</sub>H<sub>12</sub>O<sub>3</sub>, Mol.Weight: 132.159, Purity: 97%, Category: Non-aromatic ketones

Other Info: Chemical

Synonyms: 3-Ketobutyraldehyde dimethyl acetal; 3-Oxobutyraldehyde dimethylacetal; 4,4-Dimethoxy-2-butanone; Acetylacetaldehyde dimethyl acetal; KBA;

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Spectrum Code: NDEM09

<http://www.ir-spectra.com/>

Dicyclopentadiene, CAS# : 77-73-6

Nicodom Demo Library: Code: NDEM09 , From: Nicodom IR Chemicals, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>10</sub>H<sub>12</sub>, Mol.Weight: 132.205, Purity: 97%, Category: Non-aromatic hydrocarbons

Other Info: Chemical

Synonyms: 1,3-Cyclopentadiene, dimer; 3a,4,7,7a-tetrahydro-4,7-methanoindene;

4,7-Methano-1H-indene,

3a,4,7,7a-tetrahydro-; Dicyclopentadiene; cyclopentadiene dimer; DCPD; Olefin polymer based on polydicyclopentadiene;

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Spectrum Code: NDEM10

<http://www.ir-spectra.com/>

Tripropylamine , CAS# : 102-69-2

Nicodom Demo Library: Code: NDEM10 , From: Nicodom IR Chemicals, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>9</sub>H<sub>21</sub>N, Mol.Weight: 143.270, Purity: 98+%, Category: Non-aromatic amines

Other Info: Chemical

Synonyms: N,N-dipropyl-1-propanamine; N,N-dipropylpropanamine; Tri-n-propylamine; tripropylamine;

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Spectrum Code: NDEM11

<http://www.ir-spectra.com/>

E386, Disodium edetate dihydrate, CAS# : 6381-92-6

Nicodom Demo Library: Code: NDEM11 , From: Nicodom IR Food Additives, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>10</sub>H<sub>14</sub>N<sub>2</sub>Na<sub>2</sub>O<sub>8</sub>\*2H<sub>2</sub>O, Mol.Weight: 372.240, Purity: Food grade, Category: Non-aromatic amino acids

Other Info: Chelating, Sequestering Agent, Daily Intake: 2.5 mg/kg body weight

Synonyms: EDTA disodium; (ethylenedinitrilo)tetraacetic acid; Questal Di; Sequestrene NA2

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Spectrum Code: NDEM12

<http://www.ir-spectra.com/>

E321, 2,6-di-t-butyl-4-methylphenol, BHT, CAS# : 128-37-0

Nicodom Demo Library: Code: NDEM12 , From: Nicodom IR Food Additives, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>15</sub>H<sub>24</sub>O, Mol.Weight: 220.354, Purity: Food grade, Category: Aromatic alcohols and phenols  
Other Info: Antioxidant, found in Fat-containing products, sweets, raisins, processed cheese, peanut butter, instant soups.  
Daily Intake: 0.3 mg/kg body weight, can cause liver damage in high concentrations  
Synonyms: Antioxidant 30; BHT; 2,6-Di-tert-butyl-4-methylphenol; Embanox BHT; Impruvol; Vianol

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Spectrum Code: NDEM13

<http://www.ir-spectra.com/>

E216, Nipasol M, Propylparaben, CAS# : 94-13-3

Nicodom Demo Library: Code: NDEM13 , From: Nicodom IR Food Additives, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>10</sub>H<sub>12</sub>O<sub>3</sub>, Mol.Weight: 180.200, Purity: Food grade, Category: Aromatic esters and lactones

Other Info: Antimicrobial Preservative, Daily intake: 10 mg/kg body weight, may liberate histamine and cause pseudo-allergic reactions, used in wide range of acid products

Synonyms: Chemocide PK; Nipasol M; Propyl 4-hydroxybenzoate; Propyl Parasept; Solbrol P

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Spectrum Code: NDEM14

<http://www.ir-spectra.com/>

E1518, Triacetin; Glyceryl triacetate, CAS# : 102-76-1

Nicodom Demo Library: Code: NDEM14 , From: Nicodom IR Food Additives, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>9</sub>H<sub>14</sub>O<sub>6</sub>, Mol.Weight: 218.206, Purity: Food grade, Category: Non-aromatic esters and lactones

Other Info: Humectant; Plasticizer; Solvent, Side effects unknown, used to coat fresh fruit

Synonyms: Glycerol Triacetate; Glyceryl triacetate; Priacetin 1579; Triacetyl glycerine

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Spectrum Code: NDEM15

<http://www.ir-spectra.com/>

E494, Sorbitan Oleate, Span 80, CAS# : 1338-43-8

Nicodom Demo Library: Code: NDEM15 , From: Nicodom IR Food Additives, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>24</sub>H<sub>44</sub>O<sub>6</sub>, Mol.Weight: 428.608, Purity: Food grade, Category: Non-aromatic esters and lactones

Other Info: Emulsifier, Daily Intake: 25 mg/kg bodyweight

Synonyms: Sorbitan Oleate, Sorbitan, mono-9-octadecenoate, (Z)-; Sorbitan Monooleate; Span 80

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Spectrum Code: NDEM16

<http://www.ir-spectra.com/>

E322, Lecithin, L- $\alpha$ -Phosphatidylcholine, CAS# : 8002-43-5

Nicodom Demo Library: Code: NDEM16 , From: Nicodom IR Food Additives, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>8</sub>H<sub>17</sub>O<sub>5</sub>NRR', Mol.Weight: N/A, Purity: Food grade, Category: NC

Other Info: Emollient; Emulsifier; solubilizing Agent, Side effects unknown, Found in chocolate and chocolate products, powdered milk, margarine and potato snacks.

Synonyms: 1,2-diacyl-sn-glycero-3-phosphocholine; egg lecithin; Epikuron; Espolip; Ovothin; soya lecithin

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Spectrum Code: NDEM17

<http://www.ir-spectra.com/>

E325, L-Lactic acid, Sodium salt, CAS# : 867-56-1

Nicodom Demo Library: Code: NDEM17 , From: Nicodom IR Food Additives, Copyright NICODOM 2006

Spectrum Info 1: Formula:  $C_3H_5O_3Na$ , Mol.Weight: 112.060, Purity: Food grade, Category: Non-aromatic acid salts

Other Info: Acidity Regulator, Found in cheese, confectionary, icecream, fruit jellies, soups, canned fruit. No side effects

Synonyms: Propanoic acid, 2-hydroxy-, monosodium salt, (S)-; L-Lactic acid, sodium salt; sodium (S)-lactate;

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Spectrum Code: NDEM18

<http://www.ir-spectra.com/>

E493, Sorbitan Monolaurate, Span 20, CAS# : 1338-39-2

Nicodom Demo Library: Code: NDEM18 , From: Nicodom IR Food Additives, Copyright NICODOM 2006

Spectrum Info 1: Formula:  $C_{18}H_{34}O_6$ , Mol.Weight: 346.463, Purity: Food grade, Category: Non-aromatic esters and lactones

Other Info: Emulsifier, Daily Intake: 25 mg/kg body weight, banned in some countries

Synonyms: Sorbitan laurate; Sorbitan, monododecanoate; Sorbitan Monolaurate; Span 20;

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Spectrum Code: NDEM19

<http://www.ir-spectra.com/>

E913, Lanolin Wax, CAS# : 8006-54-0

Nicodom Demo Library: Code: NDEM19 , From: Nicodom IR Food Additives, Copyright NICODOM 2006

Spectrum Info 1: Formula: NA, Mol.Weight: NA, Purity: Food grade, Category: Non-aromatic esters and lactones

Other Info: Glazing Agent, Found in chewing gum, no side effects

Synonyms: Wool fat; Wool grease; Wool wax; Woolwax ester; Adeps Lanae

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Spectrum Code: NDEM20

<http://www.ir-spectra.com/>

E551, Silicon dioxide, CAS# : 14808-60-7

Nicodom Demo Library: Code: NDEM20 , From: Nicodom IR Food Additives, Copyright NICODOM 2006

Spectrum Info 1: Formula:  $SiO_2$ , Mol.Weight: 60.085, Purity: Food grade, Category: Inorganics Si

Other Info: Emulsifier, Anti-caking Agent, Found in dry products, e.g. Potato snacks. No side effects

Synonyms: Free crystalline silica; quartz; Quartz ( $SiO_2$ ); Sand; Sand, Sea Sand; Silica (crystalline-quartz); Silica flour; Silica, quartz; Silicon dioxide;

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Spectrum Code: NDEM21

<http://www.ir-spectra.com/>

d-Limonene, CAS# : 138-86-3

Nicodom Demo Library: Code: NDEM21 , From: Nicodom IR Pharmaceuticals, Copyright NICODOM 2006

Spectrum Info 1: Formula:  $C_{10}H_{16}$ , Mol.Weight: 136.240, Purity: 97%, Category: Non-aromatic hydrocarbons

Other Info: Other

Synonyms: 1-methyl-4-(1-methylethenyl)cyclohexene; 4-(1-methylethenyl)-1-methylcyclohexene; 4-Isopropenyl-1-methyl-1-cyclohexene; p-Mentha-1,8-diene;

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Spectrum Code: NDEM22

<http://www.ir-spectra.com/>

Cholesterol, CAS# : 57-88-5

Nicodom Demo Library: Code: NDEM22 , From: Nicodom IR Pharmaceuticals, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>27</sub>H<sub>46</sub>O, Mol.Weight: 386.660, Purity: 99+%, Category: Steroids and indole alkaloids

Other Info: Excipient, Emollient; Emulsifier

Synonyms: Cholesterin; Cholest-5-en-3beta-ol

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Spectrum Code: NDEM23

<http://www.ir-spectra.com/>

Oil, Peanut Oil, CAS# : 8002-03-7n

Nicodom Demo Library: Code: NDEM23 , From: Nicodom IR Pharmaceuticals, Copyright NICODOM 2006

Spectrum Info 1: Formula: NA, Mol.Weight: N/A, Purity: 98+%, Category: NC

Other Info: Excipient, Oleaginous vehicle; Solvent

Synonyms: arachis oil; Calchem IVO-112; earthnut oil; katchung oil; Lipex 101; nut oil

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Spectrum Code: NDEM24

<http://www.ir-spectra.com/>

Methyl salicylate, CAS# : 119-36-8

Nicodom Demo Library: Code: NDEM24 , From: Nicodom IR Pharmaceuticals, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>8</sub>H<sub>8</sub>O<sub>3</sub>, Mol.Weight: 152.150, Purity: 99+%, Category: Aromatic esters and lactones

Other Info: Excipient, Flavoring Agent

Synonyms: 2-hydroxybenzoic acid methyl ester; wintergreen oil; betula oil; sweet birch oil

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Spectrum Code: NDEM25

<http://www.ir-spectra.com/>

Poly(ethylene glycol) 300, CAS# : 25322-68-3

Nicodom Demo Library: Code: NDEM25 , From: Nicodom IR Pharmaceuticals, Copyright NICODOM 2006

Spectrum Info 1: Formula: (C<sub>2</sub>H<sub>6</sub>O<sub>2</sub>)<sub>n</sub>, Mol.Weight: 300.000, Purity: 98+%, Category: Polymers

Other Info: Excipient, Ointment base; Plasticizer; Solvent; Tablet and capsule lubricant

Synonyms: Breox PEG; Carbowax; Hodag PEG; Lutrol E; PEG; polyoxyethylene glycol; Renex

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Spectrum Code: NDEM26

<http://www.ir-spectra.com/>

(E)-Anethole, CAS# : 4180-23-8

Nicodom Demo Library: Code: NDEM26 , From: Nicodom IR Pharmaceuticals, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>10</sub>H<sub>12</sub>O, Mol.Weight: 148.200, Purity: 99%, Category: Aromatic Ethers

Other Info: Excipient, Flavoring Agent

Synonyms: Anise camphor; 4-Propenylanisole; Monasirup, Anisi etheroleum

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Spectrum Code: NDEM27

<http://www.ir-spectra.com/>

Retinol palmitate, CAS# : 79-81-2

Nicodom Demo Library: Code: NDEM27 , From: Nicodom IR Pharmaceuticals, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>36</sub>H<sub>60</sub>O<sub>2</sub>, Mol.Weight: 524.869, Purity: 99%, Category: NC

Other Info: Vitamin

Synonyms: all-trans-Retiny l palmitate; Retinol palmitate; Retinol, hexadecanoate; Retiny l Palmitate; Vitamin A Palmitate;

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Spectrum Code: NDEM28

<http://www.ir-spectra.com/>

Carbopol 940, Polyacrylic Acid, CAS# : 9003-01-4n

Nicodom Demo Library: Code: NDEM28 , From: Nicodom IR Pharmaceuticals, Copyright NICODOM 2006

Spectrum Info 1: Formula: (C<sub>3</sub>H<sub>4</sub>O<sub>2</sub>)<sub>n</sub>, Mol.Weight: ~3,000,000, Purity: tech., Category: Polymers

Other Info: Excipient, Emulsifier; suspending Agent; Tablet binder

Synonyms: Acritamer; Acrylic acid polymer; Carbopol; Carboxyvinyl polymer

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Spectrum Code: NDEM29

<http://www.ir-spectra.com/>

Sitosterol, CAS# : 83-46-5

Nicodom Demo Library: Code: NDEM29 , From: Nicodom IR Pharmaceuticals, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>29</sub>H<sub>50</sub>O, Mol.Weight: 414.720, Purity: 98+%, Category: Steroids and indole alkaloids

Other Info: Other

Synonyms: 24-Ethylcholest-5-en-3beta-ol; Beta-sitosterol;

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Spectrum Code: NDEM30

<http://www.ir-spectra.com/>

Oil, Castor Oil, CAS# : 8001-79-4

Nicodom Demo Library: Code: NDEM30 , From: Nicodom IR Pharmaceuticals, Copyright NICODOM 2006

Spectrum Info 1: Formula: mix of triglycerides of acids, Mol.Weight: N/A, Purity: 97%, Category: NC

Other Info: Excipient, Extended release Agent; Stiffening Agent; Tablet and capsule lubricant

Synonyms: Ricinus Oil; Tangantangan, Ricini Oleum

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Spectrum Code: NDEM31

<http://www.ir-spectra.com/>

Poly(dimethylsiloxane), CAS# : 63148-62-9

Nicodom Demo Library: Code: NDEM31 , From: Nicodom IR Polymers, Copyright NICODOM 2006

Spectrum Info 1: Formula: NA, Mol.Weight: 1000ctks, Purity: tech., Category: Polymer

Other Info: Stick Bottom

Synonyms: Siloxane and silicones, dimethyl

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Spectrum Code: NDEM32

<http://www.ir-spectra.com/>

Poly(methyl methacrylate), PMMA, CAS# : 87210-32-0, 9011-14-7

Nicodom Demo Library: Code: NDEM32 , From: Nicodom IR Polymers, Copyright NICODOM 2006

Spectrum Info 1: Formula: NA, Mol.Weight: 33000.000, Purity: tech., Category: Polymer

Other Info: Chippings

Synonyms: Poly(methyl methacrylate), PMMA

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Spectrum Code: NDEM33

<http://www.ir-spectra.com/>

Poly(vinyl chloride), PVC, CAS# : 9002-86-2, 93050-82-9

Nicodom Demo Library: Code: NDEM33 , From: Nicodom IR Polymers, Copyright NICODOM 2006

Spectrum Info 1: Formula: NA, Mol.Weight: NA, Purity: tech., Category: Polymer

Other Info: Powder; Suspension Polymerization

Synonyms: Neralit, Chloroethylene polymer, Vinyl Chloride Homopolymer, PVC

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Spectrum Code: NDEM34

<http://www.ir-spectra.com/>

Nylon 6, PA6, CAS# : 32131-17-2

Nicodom Demo Library: Code: NDEM34 , From: Nicodom IR Polymers, Copyright NICODOM 2006

Spectrum Info 1: Formula: NA, Mol.Weight: NA, Purity: tech., Category: Polymer

Other Info: Granulate filled with glass fibers

Synonyms: Spolamid 30SVF, Poly(hexamethylene adipamide); Poly(hexamethylene dodecanediamide);

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Spectrum Code: NDEM35

<http://www.ir-spectra.com/>

Polyester, Poly(1,4-butylene adipate), PES, CAS# : 25103-87-1

Nicodom Demo Library: Code: NDEM35 , From: Nicodom IR Polymers, Copyright NICODOM 2006

Spectrum Info 1: Formula: NA, Mol.Weight: NA, Purity: tech., Category: Polymer

Other Info: Chippings

Synonyms: Polybutylene glycol adipate

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Spectrum Code: NDEM36

<http://www.ir-spectra.com/>

Polypropylene+Vistalon 404, 1:1, PP, CAS# : 9003-07-0

Nicodom Demo Library: Code: NDEM36 , From: Nicodom IR Polymers, Copyright NICODOM 2006

Spectrum Info 1: Formula: NA, Mol.Weight: NA, Purity: tech., Category: Polymer

Other Info: Granulated

Synonyms: Eltex P TV 274

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Spectrum Code: NDEM37

<http://www.ir-spectra.com/>

Poly(styrene), dicarboxy terminated, PS, CAS# : 9003-70-7, 9003-53-6

Nicodom Demo Library: Code: NDEM37 , From: Nicodom IR Polymers, Copyright NICODOM 2006

Spectrum Info 1: Formula: NA, Mol.Weight: NA, Purity: tech., Category: Polymer

Other Info: Granulated; D =050 kg/m<sup>3</sup>

Synonyms: Lacqrene 1811 Cristal, Afcolene; Esbrite 2; Estyrene; Gedex; Hostyren n;

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Spectrum Code: NDEM38



<http://www.ir-spectra.com/>

Didodecyl 3,3'-thiodipropionate, DLTPD, CAS# : 123-28-4

Nicodom Demo Library: Code: NDEM38 , From: Nicodom IR Polymers, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>30</sub>H<sub>58</sub>O<sub>4</sub>S, Mol.Weight: NA, Purity: tech., Category: Polymer Additiv, Stabiliser

Other Info: Chippings

Synonyms: Lankromark DLTPD, Cyanox LTDP antioxidant, Dilauryl thiodipropionate

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Spectrum Code: NDEM39

<http://www.ir-spectra.com/>

Irgafos 168, Tris(2,4-di-terc.butylphenyl)phosphite, CAS# : 31570-04-4

Nicodom Demo Library: Code: NDEM39 , From: Nicodom IR Polymers, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>42</sub>H<sub>63</sub>O<sub>3</sub>P, Mol.Weight: NA, Purity: tech., Category: Polymer Additiv, Stabiliser

Other Info: Powder

Synonyms: Irgaphos 168, Phenol, 2,4-bis(1,1-dimethylethyl)-, phosphite (3:1);

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Spectrum Code: NDEM40

<http://www.ir-spectra.com/>

Poly(butadiene) cis (Mooney visc=40), PB, CAS# : 9003-17-2

Nicodom Demo Library: Code: NDEM40 , From: Nicodom IR Polymers, Copyright NICODOM 2006

Spectrum Info 1: Formula: NA, Mol.Weight: NA, Purity: tech., Category: Polymer

Other Info: Block

Synonyms: Buna CB 14, 1,3-Butadiene, homopolymer; 1,4-Polybutadiene,

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Spectrum Code: NDEM41

<http://www.ir-spectra.com/>

Ethyl Laurate, CAS# : 106-33-2

Nicodom Demo Library: Code: NDEM41 , From: Nicodom IR Solvents, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>14</sub>H<sub>28</sub>O<sub>2</sub>, Mol.Weight: 228.374, Purity: >98%, Category: Non-aromatic esters and lactones

Other Info: Boiling Point 269C

Synonyms: Ethyl Laurate; Ethyl dodecylate;

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Spectrum Code: NDEM42

<http://www.ir-spectra.com/>

1-Bromo-3-chloropropane, CAS# : 109-70-6

Nicodom Demo Library: Code: NDEM42 , From: Nicodom IR Solvents, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>3</sub>H<sub>6</sub>BrCl, Mol.Weight: 157.437, Purity: 95%, Category: Non-aromatic halogenated hydrocarbons

Other Info: Boiling Point 144C

Synonyms: 1-Bromo-3-chloropropane; 1-Chloro-3-bromopropane;

Trimethylene chlorobromide; Omega-chlorobromopropane;

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Spectrum Code: NDEM43

<http://www.ir-spectra.com/>

Cineole, CAS# : 470-82-6

Nicodom Demo Library: Code: NDEM43 , From: Nicodom IR Solvents, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>10</sub>H<sub>18</sub>O, Mol.Weight: 154.252, Purity: 99%, Category: Non-aromatic ethers; acetals and epoxides

Other Info: Boiling Point 351C at 0mm

Synonyms: 1,3,3-Trimethyl-2-oxabicyclo[2.2.2.]octane; 1,8-Cineole; 1,8-Epoxy-p-menthane; 1,8-Oxido-p-menthane; Cajeputol; Eucalyptol; Limonene oxide;

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Spectrum Code: NDEM44

<http://www.ir-spectra.com/>

1-Iodohexane, CAS# : 638-45-9

Nicodom Demo Library: Code: NDEM44 , From: Nicodom IR Solvents, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>6</sub>H<sub>13</sub>I, Mol.Weight: 212.073, Purity: 98+%, Category: Non-aromatic halogenated hydrocarbones

Other Info: Boiling Point 181C

Synonyms: 1-Iodohexane; 1-Iodohexane, Hexyl iodide; n-Hexyl iodide;

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Spectrum Code: NDEM45

<http://www.ir-spectra.com/>

Tetrahydrofuran, CAS# : 109-99-9

Nicodom Demo Library: Code: NDEM45 , From: Nicodom IR Solvents, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>4</sub>H<sub>8</sub>O, Mol.Weight: 72.107, Purity: 99+%, Category: Non-aromatic ethers; acetals and epoxides

Other Info: Boiling Point 66C

Synonyms: 1,4-Epoxybutane; Butylene oxide; Cyclotetramethylene; Cyclotetramethylene oxide; Furanidine; Hydrofuran; Oxacyclopentane; Oxolane; Tetramethylene Oxide; THF;

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Spectrum Code: NDEM46

<http://www.ir-spectra.com/>

2-Phenoxyethanol, CAS# : 122-99-6

Nicodom Demo Library: Code: NDEM46 , From: Nicodom IR Solvents, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>8</sub>H<sub>10</sub>O<sub>2</sub>, Mol.Weight: 138.166, Purity: 98+%, Category: Aromatic alcohols and phenols

Other Info: Boiling Point 245 C

Synonyms: 1-Hydroxy-2-phenoxyethane; 2-Hydroxyethyl phenyl ether; 2-Phenoxyethanol; b-Hydroxyethyl phenyl ether; beta-Phenoxyethyl alcohol; Ethylene glycol mono phenyl ether; Glycol monophenyl ether; Phenoxetol; Phenoxyethyl alcohol; Phenoxy ethanol; Phenoxytol; Phenylmonoglycol ether;

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Spectrum Code: NDEM47

<http://www.ir-spectra.com/>

1-Butanol, CAS# : 71-36-3

Nicodom Demo Library: Code: NDEM47 , From: Nicodom IR Solvents, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>4</sub>H<sub>10</sub>O, Mol.Weight: 74.122, Purity: 99+%, Category: Non-aromatic alcohols

Other Info: Boiling Point 117C

Synonyms: 1-Butanol; Butan-1-ol; Butyric alcohol; Butyl alcohol; n-Butanol; n-butyl alcohol; n-Butanol ; Propylcarbinol;

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Spectrum Code: NDEM48

<http://www.ir-spectra.com/>

Isobutyl alcohol, 2-Methyl-1-propanol, CAS# : 78-83-1

Nicodom Demo Library: Code: NDEM48 , From: Nicodom IR Solvents, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>4</sub>H<sub>10</sub>O, Mol.Weight: 74.122, Purity: 99%, Category: Non-aromatic alcohols

Other Info: Boiling Point 108C

Synonyms: 1-hydroxymethylpropane; 2-Methyl-1-propanol; 2-Methylpropan-1-ol; 2-Methylpropyl Alcohol; Butanol-iso; IBA;

i-Butyl alcohol; Isobutanol; Isobutyl alcohol; Isopropyl Carbinol; Isopropyl Carbitol;

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Spectrum Code: NDEM49

<http://www.ir-spectra.com/>

1-Bromononane, CAS# : 693-58-3

Nicodom Demo Library: Code: NDEM49 , From: Nicodom IR Solvents, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>9</sub>H<sub>19</sub>Br, Mol.Weight: 207.153, Purity: 98%, Category: Non-aromatic halogenated hydrocarbons

Other Info: Boiling Point 201C

Synonyms: 1-Bromononane; Nonyl bromide;

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Spectrum Code: NDEM50

<http://www.ir-spectra.com/>

Cyclooctene, CAS# : 931-88-4

Nicodom Demo Library: Code: NDEM50 , From: Nicodom IR Solvents, Copyright NICODOM 2006

Spectrum Info 1: Formula: C<sub>8</sub>H<sub>14</sub>, Mol.Weight: 110.199, Purity: 95%, Category: Non-aromatic hydrocarbons

Other Info: Boiling Point 146C

Synonyms: Cyclooctene

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