

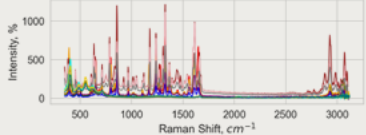


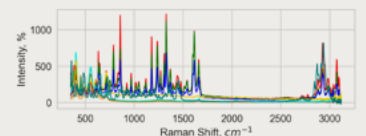
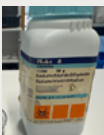

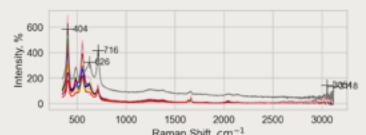

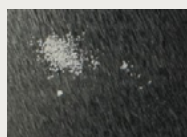
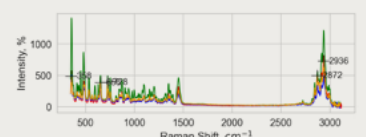

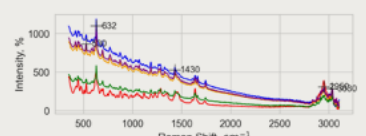
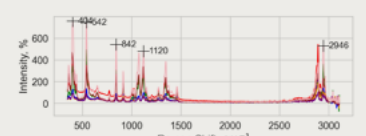
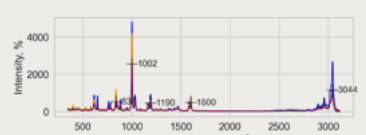
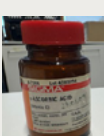
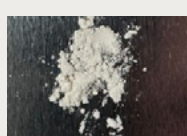





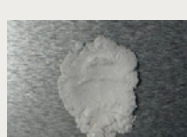



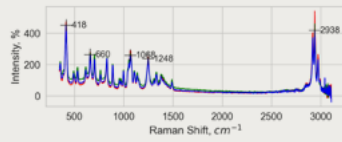


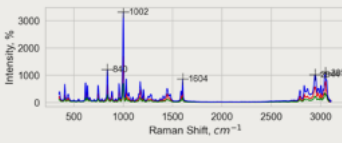


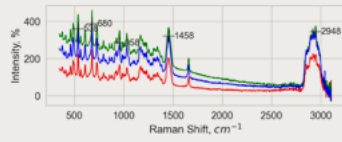
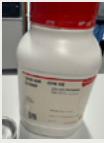

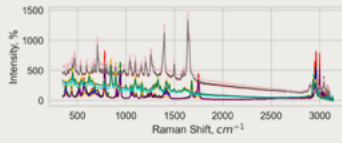


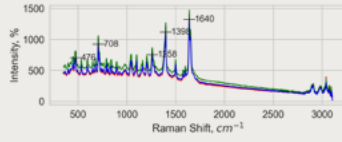
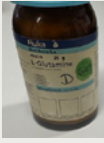

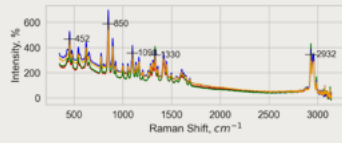


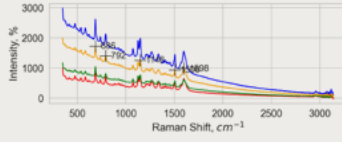


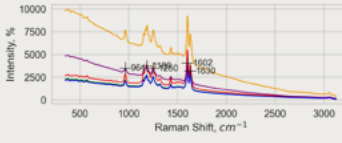


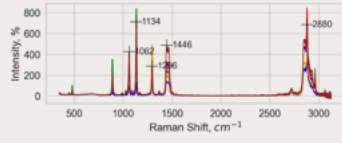
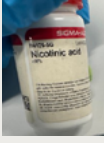

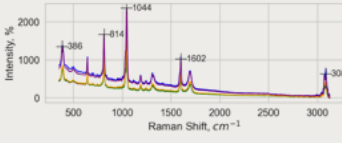




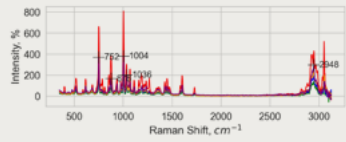


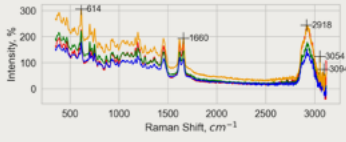


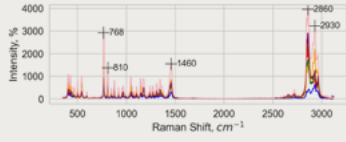


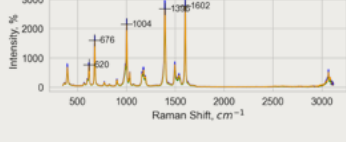
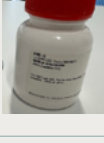

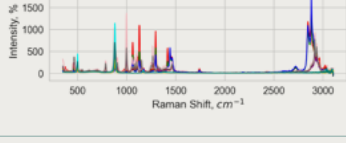
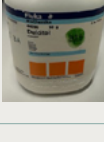
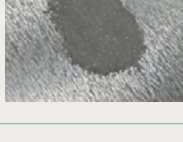
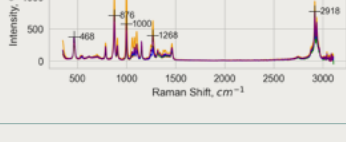
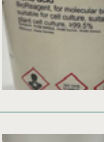
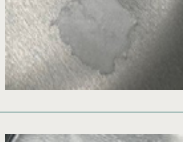
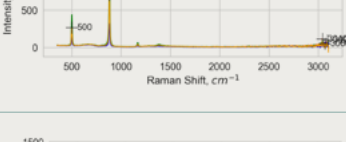
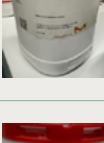
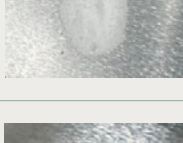
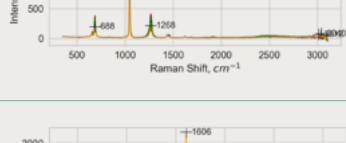
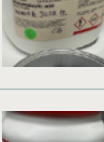
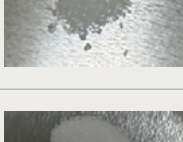
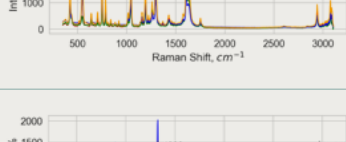
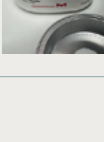
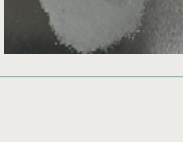
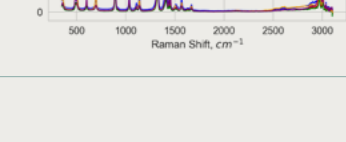
NIRLAB - Lightnovo Cutting Agents Database



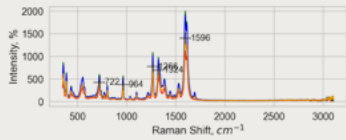
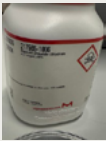
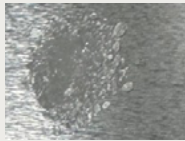
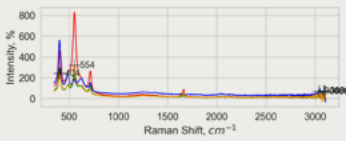
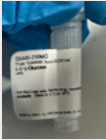

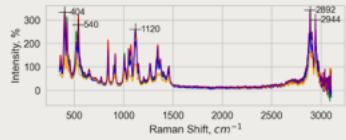
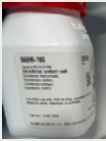
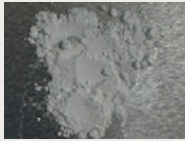
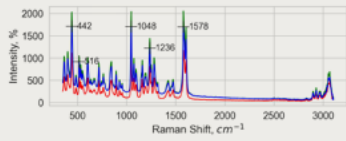


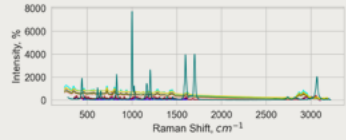


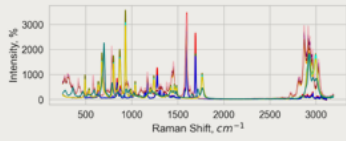


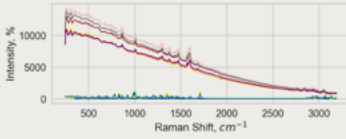


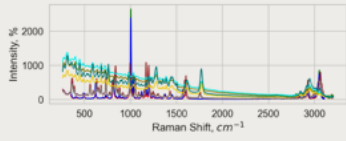


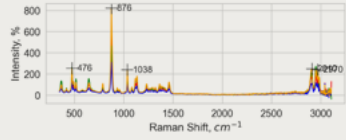


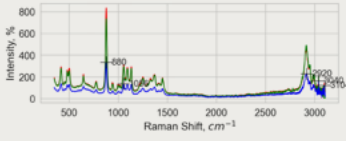



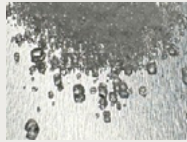
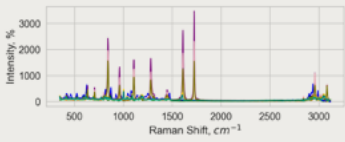


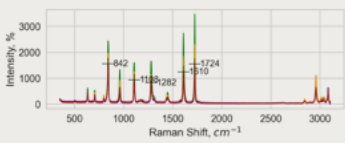
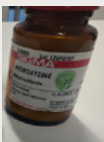
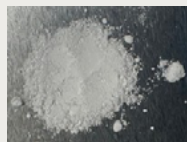
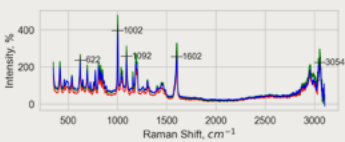
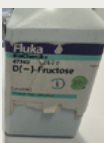

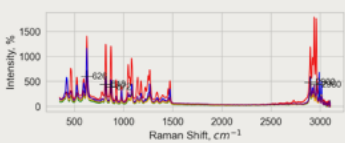





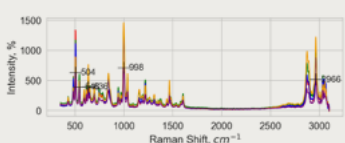

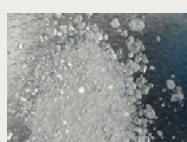
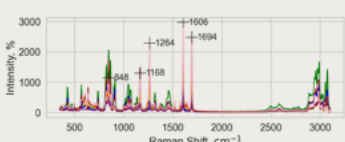


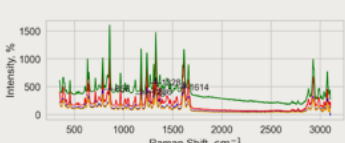
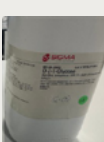





| Code | Category | Name | Photo Bottle | Photo Powder | Raman spectrum |
|----------|----------|-------------------------------|---|--|---|
| CA-1-1 | Powder | Paracetamol |  |  |  |
| CA-1-10 | Powder | Phenacetin |  |  |  |
| CA-1-100 | Powder | Barium chloride Dihydrate |  |  |  |
| CA-1-101 | Powder | Artemether |  |  |  |
| CA-1-102 | Powder | 6-Acetylcodeine |  | |  |
| CA-1-103 | Powder | Dextrose | | |  |
| CA-1-104 | Powder | Diphenhydramine | | |  |
| CA-1-105 | Powder | L-Ascorbic acid |  |  |  |
| CA-1-106 | Powder | Diphenhydramine Hydrochloride |  |  |  |
| CA-1-107 | Powder | Dopamine hydrochloride |  |  |  |






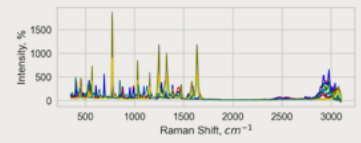

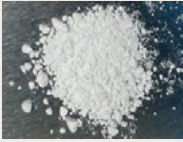
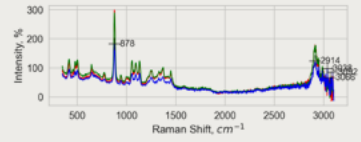


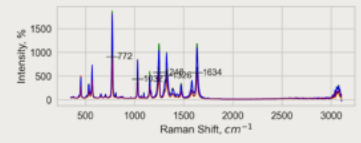
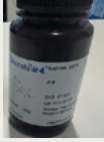

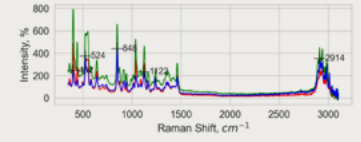


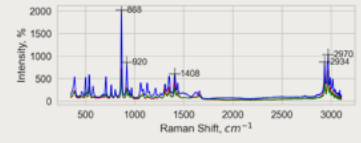


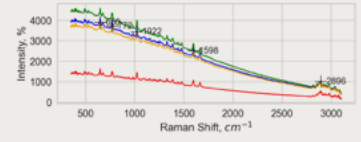


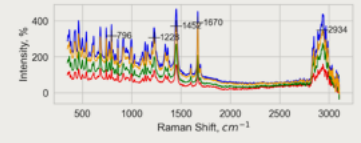


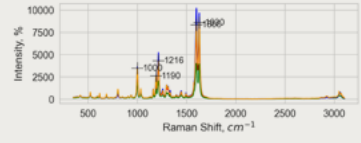



| Code | Category | Name | Photo Bottle | Photo Powder | Raman spectrum |
|----------|----------|-----------------------------|--------------|--------------|----------------|
| CA-1-108 | Powder | Benzophenone | | | |
| CA-1-109 | Powder | Deferiprone CRS | | | |
| CA-1-11 | Powder | Procaine hydrochloride | | | |
| CA-1-110 | Powder | Lupeol | | | |
| CA-1-111 | Powder | Dimethyl sulfone | | | |
| CA-1-112 | Powder | Chitin azure | | | |
| CA-1-113 | Powder | 1,6-Anhydro-b- D-glucose | | | |
| CA-1-114 | Powder | Ibuprofen | | | |
| CA-1-115 | Powder | Harmine | | | |
| CA-1-116 | Powder | Doxepin hydrochloride | | | |



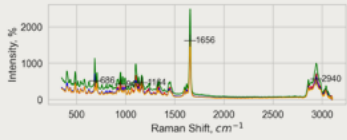


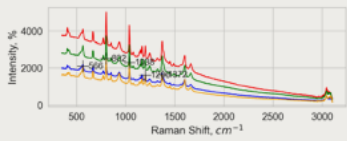


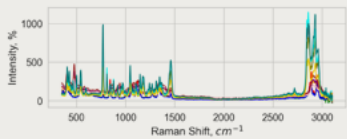


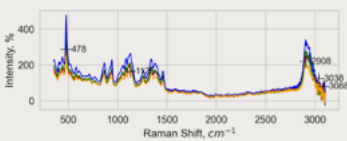
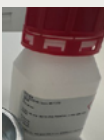

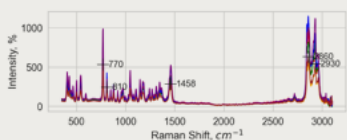


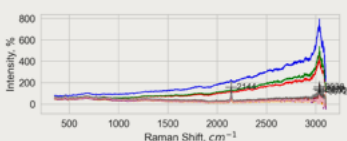





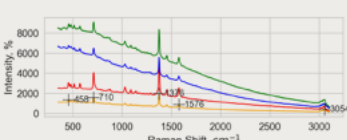





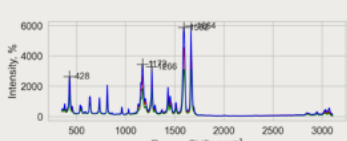
| Code | Category | Name | Photo Bottle | Photo Powder | Raman spectrum |
|----------|----------|-------------------------|---|--|---|
| CA-1-117 | Powder | D(+)-Galactose |  |  |  |
| CA-1-118 | Powder | (+)-N-Methyl-ephedrine |  |  |  |
| CA-1-119 | Powder | α-Amyrin |  |  |  |
| CA-1-12 | Powder | Citric acid monohydrate |  |  |  |
| CA-1-120 | Powder | Ketotifen fumarate salt |  |  |  |
| CA-1-121 | Powder | L-Glutamine |  |  |  |
| CA-1-122 | Powder | Furosemide |  |  |  |
| CA-1-123 | Powder | Curcumin |  |  |  |
| CA-1-124 | Powder | Eicosane |  |  |  |
| CA-1-125 | Powder | Nicotinic acid |  |  |  |




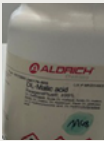
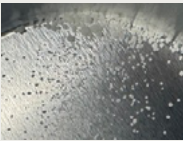



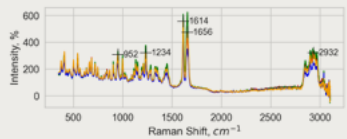


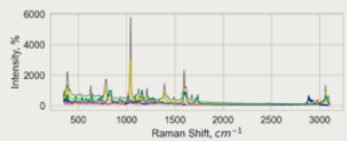


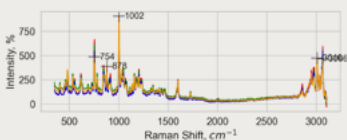

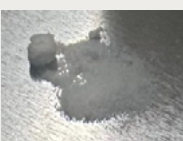



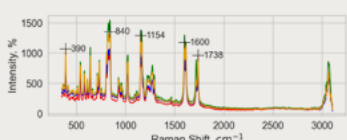


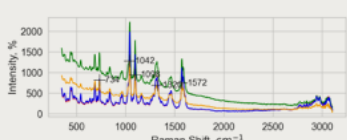


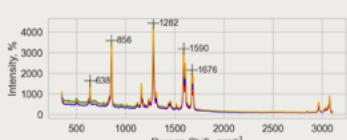
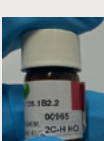
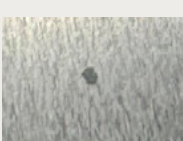
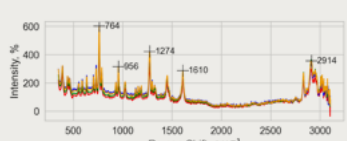
| Code | Category | Name | Photo Bottle | Photo Powder | Raman spectrum |
|----------|----------|--|---|--|---|
| CA-1-126 | Powder | Atropine |  |  |  |
| CA-1-127 | Powder | Glycyrrhizic acid ammonium salt from glycyrrhiza root (licorice) |  |  |  |
| CA-1-128 | Powder | Cristaux Eucalyptus |  |  |  |
| CA-1-129 | Powder | 2,4-Diamino-6-phenyl-1,3,5-triazine |  |  |  |
| CA-1-13 | Powder | Methyl arachidate |  |  |  |
| CA-1-130 | Powder | Dulcitol |  |  |  |
| CA-1-131 | Powder | Boric acid |  |  |  |
| CA-1-132 | Powder | Sodium bicarbonate |  |  |  |
| CA-1-133 | Powder | Acetylsalicylic acid |  |  |  |
| CA-1-134 | Powder | Glycine |  |  |  |


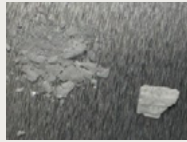
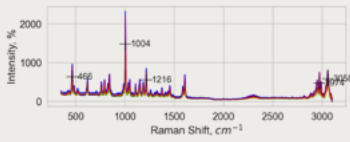

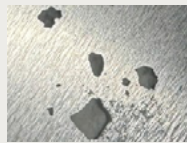
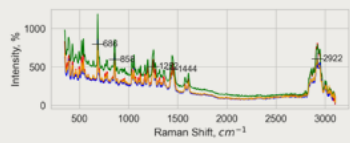


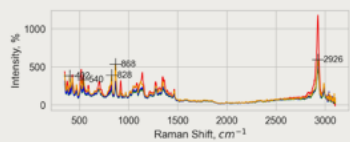
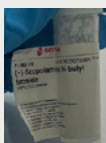

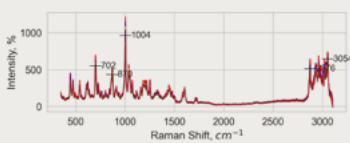


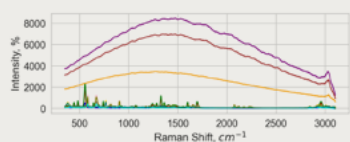

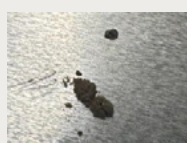
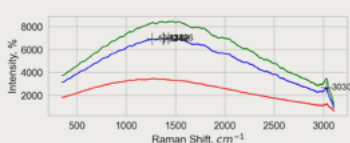


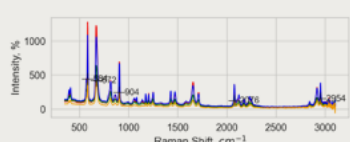
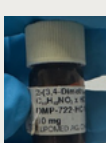

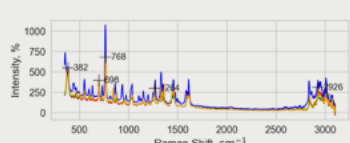

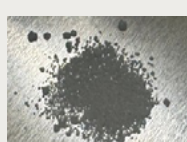
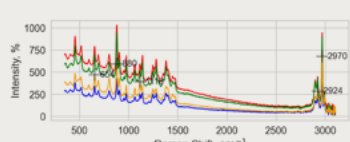
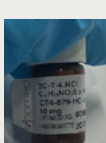
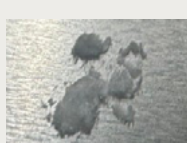
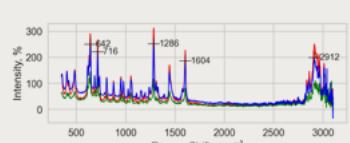
| Code | Category | Name | Photo Bottle | Photo Powder | Raman spectrum |
|----------|----------|---------------------------------|---|--|---|
| CA-1-135 | Powder | Gallic acid |  |  |  |
| CA-1-136 | Powder | Barium chloride dihydrate |  |  |  |
| CA-1-137 | Powder | L-(-)-Glucose |  |  |  |
| CA-1-138 | Powder | Diclofenac sodium salt |  |  |  |
| CA-1-14 | Powder | (+)-cis-Diltiazem hydrochloride |  |  |  |
| CA-1-15 | Powder | Tetracaine |  |  |  |
| CA-1-16 | Powder | Creatine anhydrous |  |  |  |
| CA-1-17 | Powder | Tribenzylamine |  |  |  |
| CA-1-18 | Powder | D-Mannitol |  |  |  |
| CA-1-19 | Powder | D-Sorbitol |  |  |  |



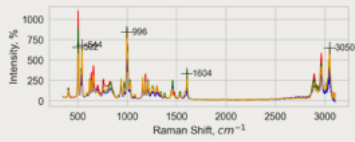


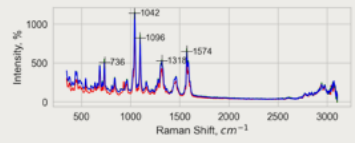


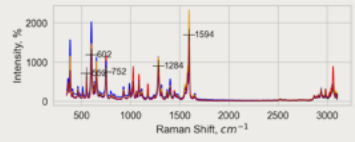


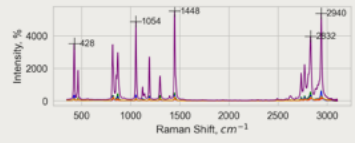


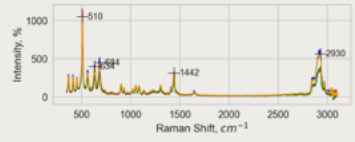


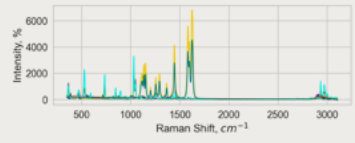
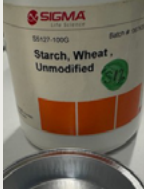

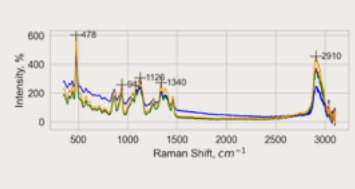


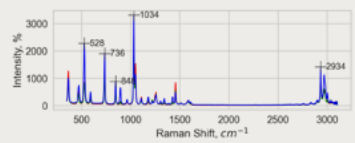

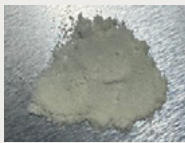
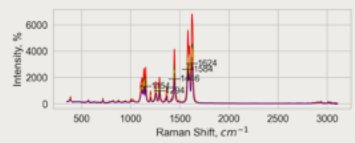

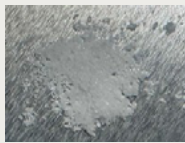
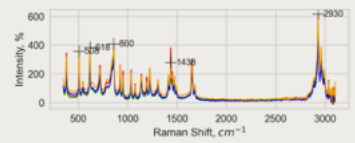
| Code | Category | Name | Photo Bottle | Photo Powder | Raman spectrum |
|---------|----------|--------------------------|---|--|---|
| CA-1-2 | Powder | D(-)-Fructose |  |  |  |
| CA-1-20 | Powder | Dimethyl terephthalate |  |  |  |
| CA-1-21 | Powder | Hydroxyzine |  |  |  |
| CA-1-22 | Powder | D(-)-Fructose |  |  |  |
| CA-1-23 | Powder | D(-)-Maltose monohydrate |  |  |  |
| CA-1-24 | Powder | Levamisole hydrochloride |  |  |  |
| CA-1-25 | Powder | Procaine hydrochloride |  |  |  |
| CA-1-26 | Powder | Phenacetin |  |  |  |
| CA-1-27 | Powder | D(+)-Glucose |  |  |  |
| CA-1-28 | Powder | Dipyron |  |  |  |



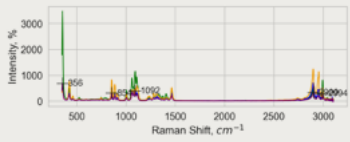


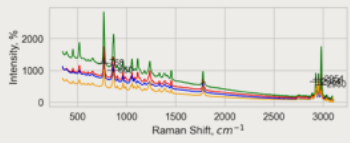


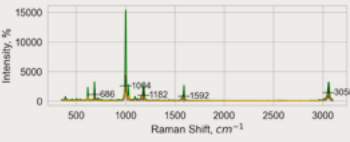
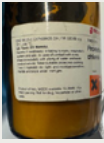

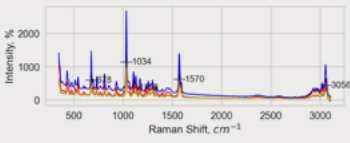


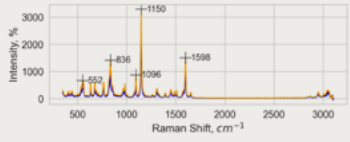
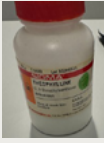
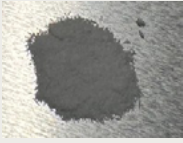
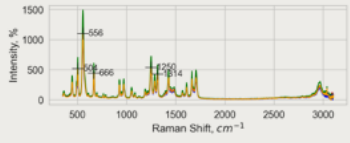


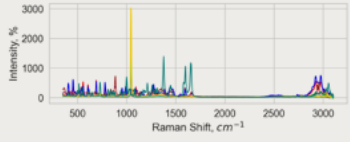
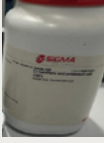

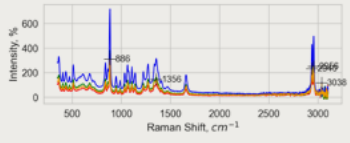


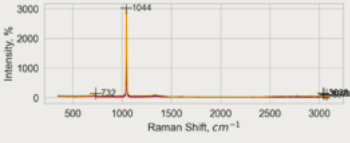



| Code | Category | Name | Photo Bottle | Photo Powder | Raman spectrum |
|---------|----------|-------------------------------------|---|--|---|
| CA-1-29 | Powder | Ergosterol |  |  |  |
| CA-1-3 | Powder | Lidocaine hydrochloride monohydrate |  |  |  |
| CA-1-30 | Powder | Sorbit (D-Glucitol, D-Sorbitol) |  |  |  |
| CA-1-31 | Powder | Salicylic acid |  |  |  |
| CA-1-32 | Powder | Sucrose |  |  |  |
| CA-1-33 | Powder | L-Glutamic acid |  |  |  |
| CA-1-34 | Powder | Strychnine |  |  |  |
| CA-1-35 | Powder | Finasteride |  |  |  |
| CA-1-36 | Powder | α-Methylcinamic acid |  |  |  |
| CA-1-37 | Powder | Tribenzylamine |  |  |  |



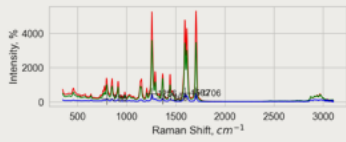


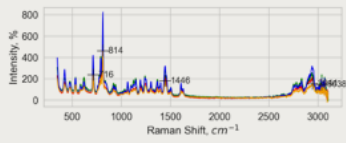

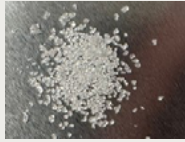
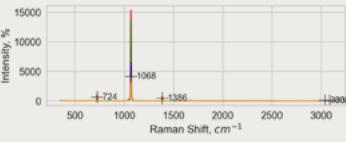


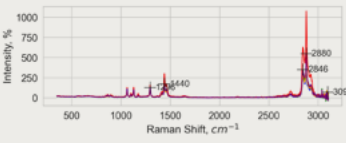


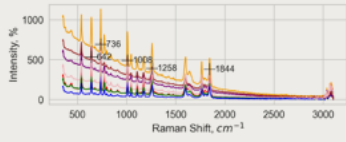


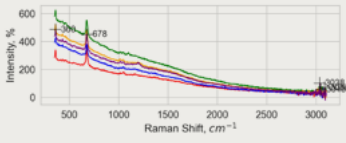


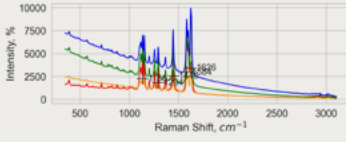

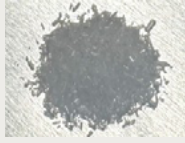
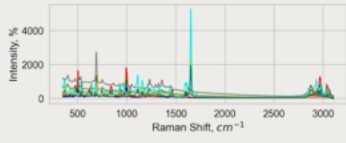
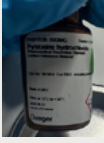

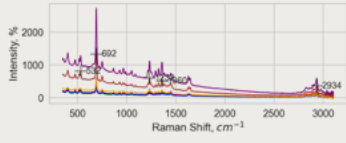


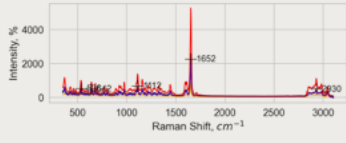
| Code | Category | Name | Photo Bottle | Photo Powder | Raman spectrum |
|---------|----------|--|---|--|---|
| CA-1-38 | Powder | 1-Dehydro-17 α -Methyl-Testosterone |  |  |  |
| CA-1-39 | Powder | Anthranilic acid |  |  |  |
| CA-1-4 | Powder | D(+)-Glucose |  |  |  |
| CA-1-40 | Powder | Starch from rice |  |  |  |
| CA-1-41 | Powder | Menthol |  |  |  |
| CA-1-42 | Powder | Cobalt(II) thiocyanate |  |  |  |
| CA-1-43 | Powder | L-Omithine monohydrochloride |  |  |  |
| CA-1-44 | Powder | 1-Naphthyl-amine |  |  |  |
| CA-1-45 | Powder | 2-Phenylethyl-amine |  |  |  |
| CA-1-46 | Powder | Vanillin |  |  |  |

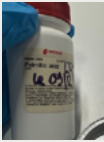
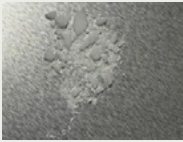
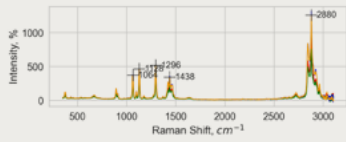

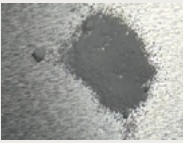
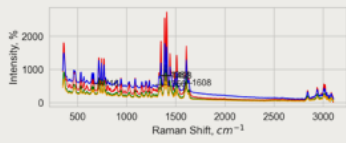


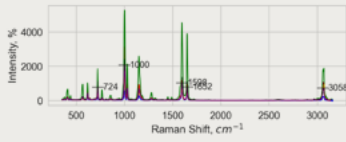


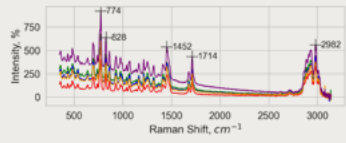


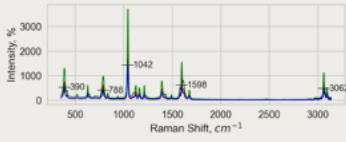


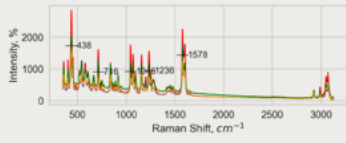
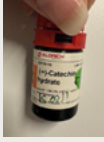

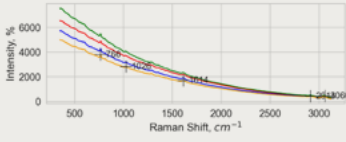


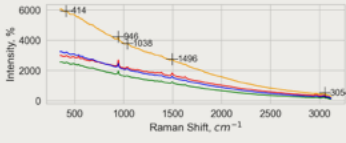

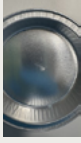
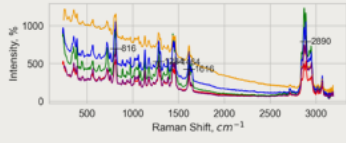


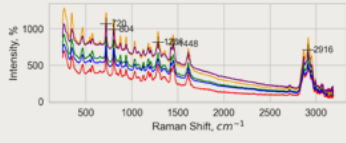
| Code | Category | Name | Photo Bottle | Photo Powder | Raman spectrum |
|---------|----------|-------------------------------|---|--|---|
| CA-1-47 | Powder | Methotrimeprazine |  |  |  |
| CA-1-48 | Powder | DL-Malic acid |  |  |  |
| CA-1-49 | Powder | Testosterone |  |  |  |
| CA-1-5 | Powder | α-Lactose monohydrate |  |  |  |
| CA-1-50 | Powder | (-)-Scopolamine hydrochloride |  |  |  |
| CA-1-51 | Powder | Niacinamide |  |  |  |
| CA-1-52 | Powder | Phenolphthalein |  |  |  |
| CA-1-53 | Powder | levomepromazine sulfoxide |  |  |  |
| CA-1-54 | Powder | Methyl Paraben |  |  |  |
| CA-1-55 | Powder | 2C-H.HCl |  |  |  |



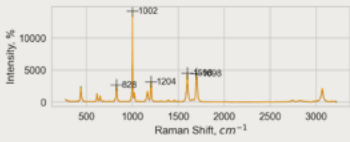


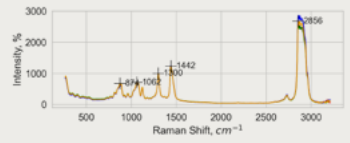


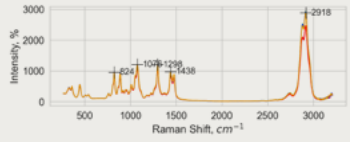


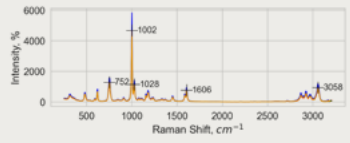


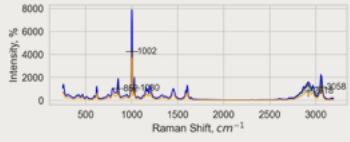


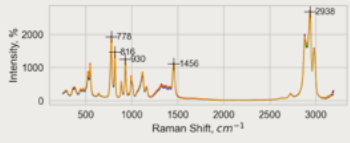


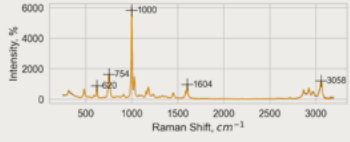


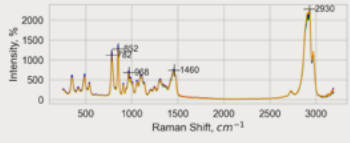


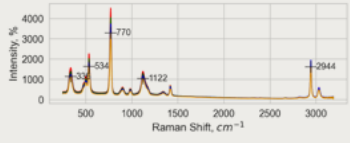


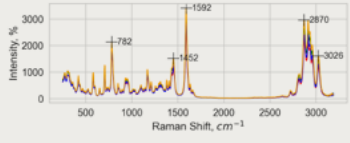
| Code | Category | Name | Photo Bottle | Photo Powder | Raman spectrum |
|---------|----------|--|---|--|---|
| CA-1-56 | Powder | 1,4-Dibenzylpiperazine |  |  |  |
| CA-1-57 | Powder | Dextromethorphan |  |  |  |
| CA-1-58 | Powder | Melibiose |  |  |  |
| CA-1-59 | Powder | (-)-Scopolamine N-butyl bromide |  |  |  |
| CA-1-6 | Powder | Caffeine |  |  |  |
| CA-1-60 | Powder | Ergonovine |  |  |  |
| CA-1-61 | Powder | Creatinine |  |  |  |
| CA-1-62 | Powder | 2-(3,4-Dimethoxyphenyl)-ethylamine.HCl |  |  |  |
| CA-1-63 | Powder | D-Gluconic acid sodium salt |  |  |  |
| CA-1-64 | Powder | 2C-T-4.HCl |  |  |  |



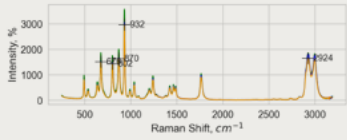


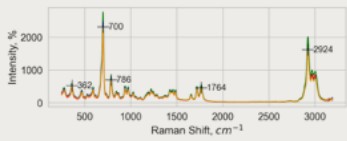


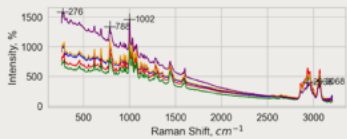

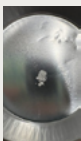
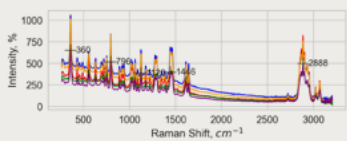

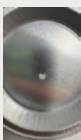
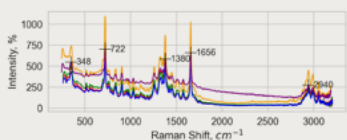

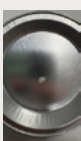
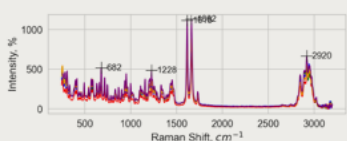

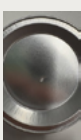
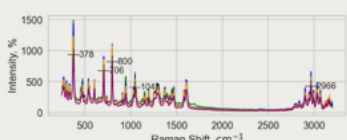


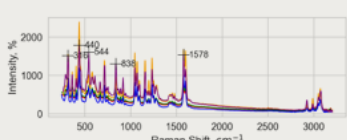


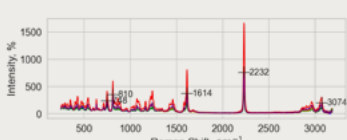

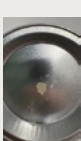
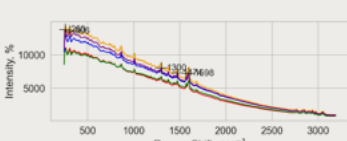
| Code | Category | Name | Photo Bottle | Photo Powder | Raman spectrum |
|---------|----------|---------------------------|---|--|---|
| CA-1-65 | Powder | Tetramisole hydrochloride |  |  |  |
| CA-1-66 | Powder | levomepromazine sulfoxide |  |  |  |
| CA-1-67 | Powder | Pyrimethamine |  |  |  |
| CA-1-68 | Powder | Piperazine anhydrous |  |  |  |
| CA-1-69 | Powder | Thioctic acid CRS |  |  |  |
| CA-1-7 | Powder | D(+)-Maltose monohydrate |  |  |  |
| CA-1-70 | Powder | Starch, Wheat, Unmodified |  |  |  |
| CA-1-71 | Powder | Taurine |  |  |  |
| CA-1-72 | Powder | Piperin |  |  |  |
| CA-1-73 | Powder | Piracetam |  |  |  |



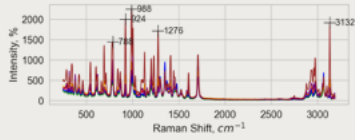


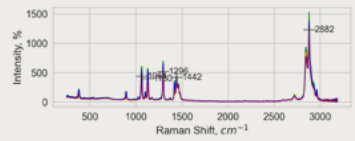


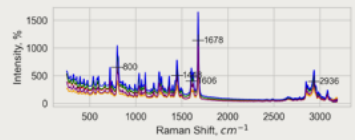


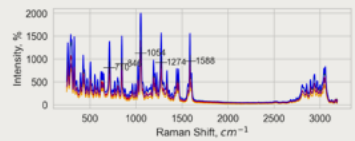
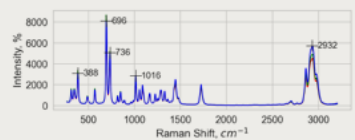

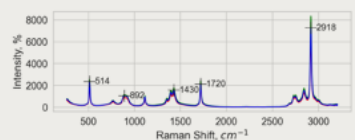


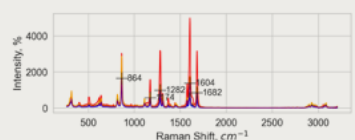


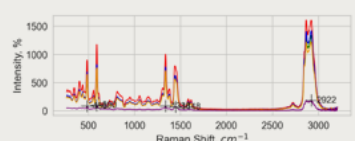

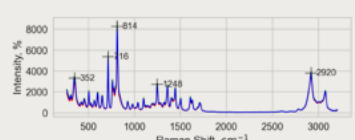


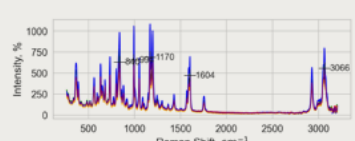
| Code | Category | Name | Photo Bottle | Photo Powder | Raman spectrum |
|---------|----------|-------------------------------------|---|--|---|
| CA-1-74 | Powder | Xylitol |  |  |  |
| CA-1-75 | Powder | L-Gulonic acid γ -lactone |  |  |  |
| CA-1-76 | Powder | Triphenylphosphine oxide |  |  |  |
| CA-1-77 | Powder | Promethazine hydrochloride |  |  |  |
| CA-1-78 | Powder | Sulfadoxin |  |  |  |
| CA-1-79 | Powder | Theophylline |  |  |  |
| CA-1-8 | Powder | Lidocaine hydrochloride monohydrate |  |  |  |
| CA-1-80 | Powder | D-Saccharic acid potassium salt |  |  |  |
| CA-1-81 | Powder | Silver nitrate |  |  |  |
| CA-1-82 | Powder | Naftifine Hydrochloride |  |  |  |



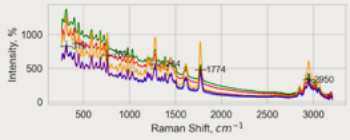


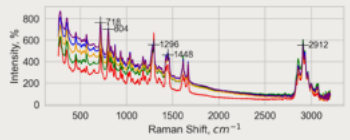


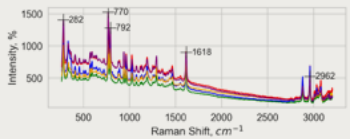


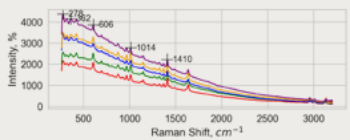


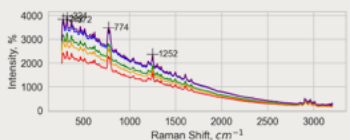

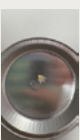
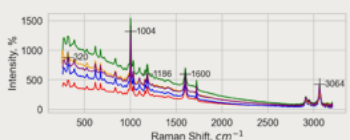

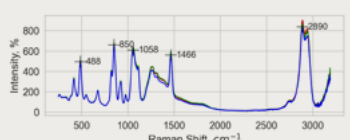

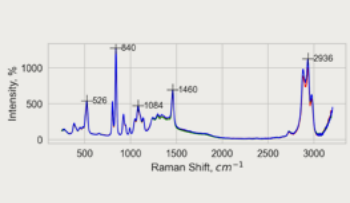

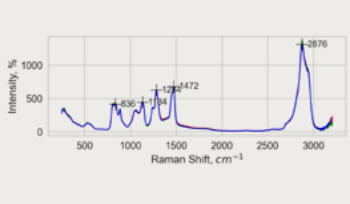
| Code | Category | Name | Photo Bottle | Photo Powder | Raman spectrum |
|---------|----------|---------------------------------|---|--|---|
| CA-1-83 | Powder | Oxybuprocaine Hydrochloride CRS |  |  |  |
| CA-1-84 | Powder | 1-Piperonylpiperazine |  |  |  |
| CA-1-85 | Powder | Sodium nitrate |  |  |  |
| CA-1-86 | Powder | Stearic acid |  |  |  |
| CA-1-87 | Powder | Phthalic anhydride |  |  |  |
| CA-1-88 | Powder | Talc |  |  |  |
| CA-1-89 | Powder | Piperine |  |  |  |
| CA-1-9 | Powder | Levamisole hydrochloride |  |  |  |
| CA-1-90 | Powder | Pyridoxine hydrochloride |  |  |  |
| CA-1-91 | Powder | Prednisolone |  |  |  |

| Code | Category | Name | Photo Bottle | Photo Powder | Raman spectrum |
|----------|----------|-------------------------|---|--|---|
| CA-1-92 | Powder | Palmitic acid |  |  |  |
| CA-1-93 | Powder | Papaverin hydrochloride |  |  |  |
| CA-1-94 | Powder | Benzophenone |  |  |  |
| CA-1-95 | Powder | 1-Boc-4-piperidone |  |  |  |
| CA-1-96 | Powder | Niacinamide |  |  |  |
| CA-1-97 | Powder | Diclofenac acid |  |  |  |
| CA-1-98 | Powder | (+)-Catechin hydrate |  |  |  |
| CA-1-99 | Powder | Ibotenic acid |  |  |  |
| CA-1-139 | powder | Dihydrocapsaicin |  |  |  |
| CA-1-140 | powder | Nordihydrocapsaicin |  |  |  |

| Code | Category | Name | Photo Bottle | Photo Powder | Raman spectrum |
|----------|----------|-------------------------------|---|---|---|
| CA-1-141 | liquid | Benzaldehyde |  |  |  |
| CA-1-142 | liquid | 1-Octanol |  |  |  |
| CA-1-143 | liquid | 1,4-Butandiol |  |  |  |
| CA-1-144 | liquid | alpha-Methylbenzylamine |  |  |  |
| CA-1-145 | liquid | N-isopropylbenzylamine |  |  |  |
| CA-1-146 | liquid | 2,3-Butanediol |  |  |  |
| CA-1-147 | liquid | DL-1-Phenylethylamine |  |  |  |
| CA-1-148 | liquid | (+)-1,3-Butanediol, anhydrous |  |  |  |
| CA-1-149 | liquid | Methanesulfonic acid |  |  |  |
| CA-1-150 | liquid | alpha-Phellandrene |  |  |  |

| Code | Category | Name | Photo Bottle | Photo Powder | Raman spectrum |
|----------|----------|----------------------------------|---|---|---|
| CA-1-151 | liquid | gamma-Butyrolacton |  |  |  |
| CA-1-152 | liquid | 2-Acetylbutyrolacton |  |  |  |
| CA-1-153 | powder | Biperiden hydrochloride |  |  |  |
| CA-1-154 | powder | Nonivanide |  |  |  |
| CA-1-155 | powder | Tenofovir disoproxil fumarate |  |  |  |
| CA-1-156 | powder | Androstenedione |  |  |  |
| CA-1-157 | powder | D,L-Metanephridine hydrochloride |  |  |  |
| CA-1-158 | powder | Diclofenac |  |  |  |
| CA-1-159 | powder | Escitalopram oxalate |  |  |  |
| CA-1-160 | powder | Ajmalicine |  |  |  |

| Code | Category | Name | Photo Bottle | Photo Powder | Raman spectrum |
|----------|----------|---|---|---|---|
| CA-1-161 | powder | Etomidate |  |  |  |
| CA-1-162 | powder | 1-hexadecanol |  |  |  |
| CA-1-163 | powder | 3,4-Methylene-dioxy- α -Cyclohexylamino-propiofenone (hydrochloride) |  |  |  |
| CA-1-164 | powder | Mirtazapine |  |  |  |
| CA-1-165 | liquid | e-Caprolactone | | |  |
| CA-1-166 | liquid | Acetaldehyde |  | |  |
| CA-1-167 | powder | Benzocaine |  |  |  |
| CA-1-168 | powder | (+)- α -Tocopherol |  |  |  |
| CA-1-169 | liquid | PMK |  | |  |
| CA-1-170 | powder | Bisacodyl |  |  |  |

| Code | Category | Name | Photo Bottle | Photo Powder | Raman spectrum |
|----------|----------|-------------------------------|---|---|---|
| CA-1-171 | powder | Noscapine Hydrochloride |  |  |  |
| CA-1-172 | powder | Capsaicin |  |  |  |
| CA-1-173 | powder | (+)-Epinephrine hydrochlorine |  |  |  |
| CA-1-174 | powder | Muscimol |  |  |  |
| CA-1-175 | powder | Emtricitabine |  |  |  |
| CA-1-176 | powder | a-Phenylacetoacetamide |  |  |  |
| CA-1-177 | liquid | Glycerol |  | |  |
| CA-1-178 | liquid | 1,2-Propanediol |  | |  |
| CA-1-179 | liquid | Polyethylenglycol 400 |  | |  |

Contact Details

Lightnovo ApS

Blokken 11, 1.

3460 Birkerød

Denmark (DK)

+45 71 37 04 10

info@lightnovo.com

CVR: 40979603

About Lightnovo

A spin-off from the Technical University of Denmark, Lightnovo was founded in 2019 by an enthusiastic team united by the goal of revolutionizing the field of Raman spectroscopy through innovative, high-performance solutions. Our mission is to develop and commercialize “Raman for all: democratize the power of high-end Raman spectroscopy for the benefit of mankind”.

We aim to provide premium Raman spectrometers and microscopes with the world's smallest form factors without compromising the performance. With this innovation, Lightnovo addresses the need for portable, reliable field instruments at an affordable price.

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