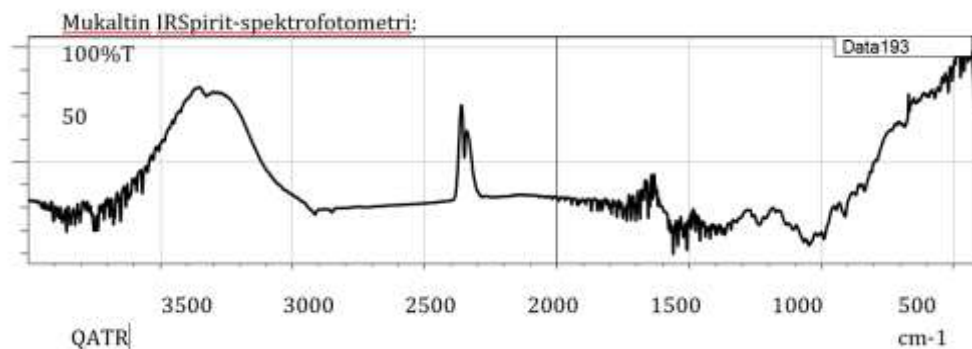
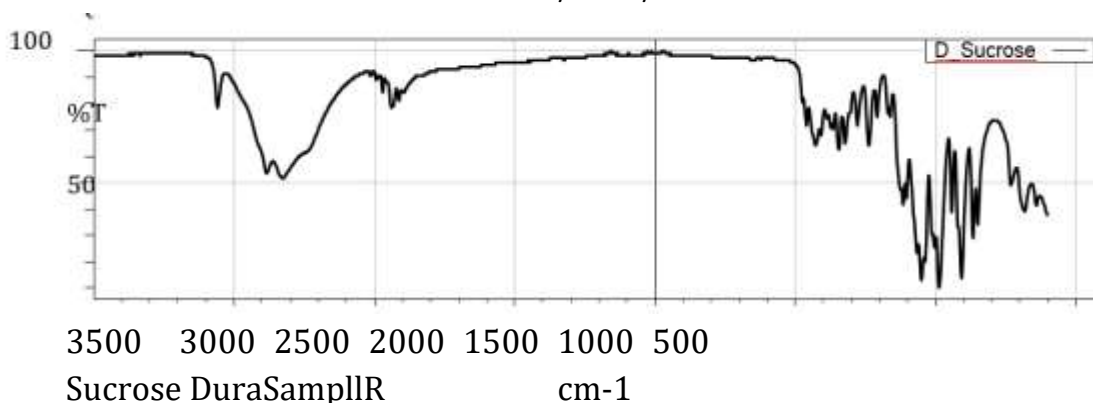


**MUKALTIN DORI VOSITASI SIFAT KO'RSATKICHINI INFRA QIZIL  
SPEKTROSKIPIYASI JIHOZI YORDAMIDA ANIQLASH.****Karimov.J.S***Buxoro davlat tibbiyot instituti tibbiy kimyo kafedrasida assistenti*

Pharmstandard-Leksredstva, Rossiya tomoidan ishlab chiqaruvchi mukaltin. Bir tabletka tarkibi: faol moddasi: zefir o'ti ekstrakti (mukaltin) - 50,0 mg; Yordamchi moddalar: tartarik kislota - 43,25 mg, kaltsiy fosfat 2-almashtirilgan suvsiz (kaltsiy vodorod fosfat suvsiz) - 179,75 mg, krospovidon (krospovidon CL-M) - 21,0 mg, povidon (past molekulyar og'irlikdagi tibbiy polivinilpirolidon, povidon K 17) - 3,0 mg, kaltsiy stearati - 3,0 mg. Marshmallov ildizida o'simlik shilliq qavatini (35% gacha), asparagin, betain, pektin va kraxmal mavjud.

Qoplovchi, yumshatuvchi, ekspektoran, yallig'lanishga qarshi ta'sirga ega. O'simlik shilliq qavatini shilliq qavatlarini yupqa qatlam bilan qoplaydi, bu uzoq vaqt davomida sirtida qoladi va ularni tirnash xususiyati bilan himoya qiladi. Natijada yallig'lanish jarayoni kamayadi va to'qimalarning o'z-o'zidan yangilanishi osonlashadi. Oshqozon shilliq qavatiga ta'sir qilganda, o'simlik shilliq qavatining himoya ta'siri uzoqroq va samaraliroq bo'ladi, me'da shirasining kislotaliligi qanchalik yuqori bo'lsa o'simlik shilliq qavatining yopishqoqligi xlorid kislotasi bilan aloqa qilganda ortadi. Mukaltinni kodein va boshqa antitussiv dorilarni o'z ichiga olgan preparatlar bilan bir vaqtda qo'llash mumkin emas, chunki bu suyultirilgan balg'amni yo'talishini qiyinlashtiradi. Shamollash, pnevmoniyasatishi uchun dori tarkibining o'zgarmas bo'lishi, sifat va miqdoriy tahlil natijalarining namunadagidek bo'lishi talab qilinadi. Dori vositalarining ko'p vaqt davomida standart nazoratlarida saqlanmasligi yaroqlilik muddatining o'tishi va boshqa sabablar bilan tarkibidagi moddalar turli o'zgarishga uchrashi mumkin. Buni tasdiqlash uchun bir qancha kimyoviy reaksiyalarni yoki maxsus xromatograflar yordamida analizlarni amalga oshirish talab qilinadi. Qisqartirib aytganda bu X seriyali Fourier Transform infragizil juda ko'p vaqt va sarmoya bilan bog'liq bo'lgan jarayon hisoblanadi. IR Spirit-spektrofotometridan foydalanishni qo'llash maqsadida muvofiq bo'lishi mumkin. Buni olingan natijani solishtirish orqali isbotlash mumkin.





C:\LabSolutions\LabSolutionsIR\Data\Data193.ispd

Score	Library	Name	Comment
1 667	2 - ATR-Organic2	<u>D_Sucrose</u>	Sucrose <u>DuraSamplIR</u>
2 617	177 - IRs Pharmaceuticals	Lysozyme Hydrochloride	Lysozyme Hydrochloride <u>formula</u> ; C616H963N193O182S 10.xHCl ATR/diamond molecular weight : unknown
3 606	23 - T-Organic2	<u>EthyleneGlycol</u>	<u>EthyleneGlycol</u> Transmission
4 604	157 - IRs Pharmaceuticals	Aclarubicin Hydrochloride	Aclarubicin Hydrochloride <u>formula</u> ; C42H53NO15.HCl ATR/diamond molecular weight : 848.33
5 603	37 - T-Organic2	<u>HumicAcid</u>	<u>HumicAcid</u> Transmission
6 599	2 - T-Organic2	Sucrose	Sucrose Transmission
7 598	69 - IRs Pharmaceuticals	DESOXYCORTONE ACETATE	DESOXYCORTONE ACETATE Formula; C23H32O4 MW;372.5 (INTERNATIONAL CHEMICAL REFERENCE SUBSTANCE) CONTROL NO.167007
8 597	158 - IRs Pharmaceuticals	<u>Acetylspiramycin</u>	<u>Acetylspiramycin</u> <u>formula</u> ; C47H78N2O16 ATR/diamond molecular weight : 927.13
9 597	30 - T-Organic2	Mg Stearate	Mg Stearate <u>ransmission</u>
10 596	1 - IRs Pharmaceuticals	PYRIDOXINE HCL	PYRIDOXINE HCL Formula; C8H11NO3.HCl MW; 205.64  (WORKING STANDARD)
11 596	35 - ATR-Organic2	<u>D_StearateCa</u>	Ca Stearate <u>DuraSamplIR</u>

12	595	152 - IRs Pharmaceuticals	Bleomycin Hydrochloride	Bleomycin Hydrochloride formula : C55H84ClN17O21S.HCl ATR/diamond molecular weight
13	595	33 - ATR-Organic2	<u>D. AcetylCellulose</u>	<u>AcetylCellulose</u> <u>DuraSamplR</u>
14	595	31 - T-Organic2	Zn Stearate	Zn Stearate <u>Transmission</u>
15	594	38 - ATR-Organic2	<u>D. StearateLi</u>	Li Stearate <u>DuraSamplR</u>
16	593	36 - ATR-Organic2	<u>D. StearateMg</u>	Mg Stearate <u>DuraSamplR</u>
17	592	34 - ATR-Organic2	<u>D. StearateNa</u>	Na Stearate <u>DuraSamplR</u>
18	592	55 - T_FoodAdditives2	<u>T. Microcrystalline Wax-4</u>	Microcrystalline <u>Wax(Product</u> <u>name;MW-</u> <u>0055CSales</u> <u>origin;MACHIDA</u> <u>CANDLE</u> <u>CO.,LTD)@Film</u>
19	591	8 - IRs Pharmaceuticals	PIRACETAM	PIRACETAM Formula; C6H10N2O2 MW; 142.15  (WORKING STANDARD)
20	591	11 - T-Organic2	<u>LauricAcid</u>	<u>LauricAcid</u> <u>Transmission</u>
21	591	13 - T-Organic2	<u>StearicAcid</u>	<u>StearicAcid</u> <u>Transmission</u>
22	590	32 - T-Organic2	Li Stearate	Li Stearate <u>Transmission</u>
23	589	58 - IRs Pharmaceuticals	ENALAPRIL MALEATE	ENALAPRIL MALEATE Formula; C24H32N2O9 MW;492.5248 (ASEAN REFERENCE STANDARD) CONTROL
24	589	19 - T_FoodAdditives2	<u>T. Carnauba wax-4</u>	Carnauba <u>wax(Sales</u> <u>origin;Wako Pure</u> <u>Chemical Industries,</u> <u>Ltd.)@KBr Wafer</u>
25	589	29 - T-Organic2	Ca Stearate	Ca Stearate <u>Transmission</u>
26	589	39 - T-Organic2	<u>T. Algin</u>	Alginic Acid, Sodium Salt <u>Transmission(Microscop</u> <u>e)</u>

27	588	39 - T_FoodAdditives2	<u>T_Paraffin Wax-4</u>	Paraffin Wax(Product name;PW-3501CSales origin;MACHIDA CANDLE CO.,LTD.)@Film
28	586	23 - ATR-Organic2	<u>D_butylAcrylate</u>	n-Butyl Acrylate DuraSamplIR
29	585	22 - T_FoodAdditives2	<u>T_Candelilla Wax-4</u>	Candelilla Wax(Sales origin;MIKI CHEMICAL INDUSTRY & CO.,LTD.)@KBr Wafer
30	583	22 - ATR-Organic2	<u>D_EthylAcrylate</u>	Ethyl Acrylate DuraSamplIR
31	582	43 - T-Organic2	<u>T_butter</u>	butter Transmission(Microscope)
32	582	10 - ATR-Organic2	<u>D_Paraffin</u>	Liquid Paraffin DuraSamplIR
33	582	27 - T-Organic2	<u>AcetylCellulose</u>	AcetylCellulose Transmission
34	581	94 - IRs Pharmaceuticals	BACITRACIN ZINC	BACITRACIN ZINC Formula: C63H98N14O14S MW; (ASEAN REFERENCE STANDARD) CONTROL NO.I193041 (POTENCY 72 IU/MG)
35	581	62 - T_FoodAdditives2	<u>T_Liquid Paraffin-4</u>	Liquid Paraffin(Sales origin;Wako Pure Chemical Industries, Ltd.)@Between
36	581	28 - T-Organic2	Na Stearate	Na Stearate Transmission
37	581	40 - T-Organic2	<u>T_olive oil</u>	olive oil Transmission(Microscope)
38	581	44 - T-Organic2	<u>T_margarine</u>	margarine Transmission(Microscope)
39	580	41 - T-Organic2	<u>T_sesame oil</u>	sesame oil Transmission(Microscope)

Miqdoriy o'xshashligini isbotlash mumkin. Buning uchun aniqlanishi kerak bo'lgan turli agregat holatdagi aralshma yoki dori preparatlarini tarkibi sifatva miqdor jihatdan aniq bo'lgan aralshma tahlillari bilan solishtirib ko'rishimiz mumkin.

#### ADABIYOTLAR:

1. Botirovich R. S., G'aybullayevna S. G. OLTI ATOMLI SPIRT-SORBITNING QANDLI DIABET KASSALIGINI DAVOLASHDAGI AHAMIYATI //ZAMONAVIY TA'LIMDA FAN VA INNOVATSION TADQIQOTLAR JURNALI. – 2023. – T. 1. – №. 2. – C. 74-82.

2. Niyazov L., Karimov J. THE SIGNIFICANCE OF SITUATION ISSUES IN TEACHING MEDICINAL CHEMISTRY STUDENTS OF MEDICAL UNIVERSITIES //" CANADA" INTERNATIONAL CONFERENCE ON DEVELOPMENTS IN EDUCATION, SCIENCES AND HUMANITIES. – 2023. – Т. 9. – №. 1.
3. Karimov J.S. TRIPTOFAN BIOKIMYOVIY REAKSIYALARINI O'RGANISH UNIVOZIYATI VA ORGANIK SINTEZLARDA FOYDALANISHNI ANQLASH //OBRAZOVANIE NAUKA I INNOVATSIONNYE IDEI V MIRE. – 2023. – Т. 34. – №. 6. – С. 120-124.
4. Karimov J. S. GIDROKSI BENZOY KISLOTALAR VA FLOVANOIDLARNING MERIGOLDLAR TARKIBIDA UCHRASHI VA AHAIYATI //JOURNAL OF INNOVATIONS IN SCIENTIFIC AND EDUCATIONAL RESEARCH. – 2023. – Т. 6. – №. 11. – С. 100-104.
5. Karimov J. S. ИЗУЧЕНИЕ ЗНАЧЕНИЯ БАЛХОТКОВ В МЕДИЦИНЕ С ПОМОЩЬЮ ФИЗИКО-ХИМИЧЕСКИХ МЕТОДОВ //ОБРАЗОВАНИЕ НАУКА И ИННОВАЦИОННЫЕ ИДЕИ В МИРЕ. – 2023. – Т. 34. – №. 6. – С. 131-135.
6. Karimov J. S. ВЛИЯНИЕ НА ЧЕЛОВЕЧЕСКИЙ ОРГАНИЗМ БИОХИМИЧЕСКИЕ РЕАКЦИИ ДЛЯ ТРИПТОФАНА //ОБРАЗОВАНИЕ НАУКА И ИННОВАЦИОННЫЕ ИДЕИ В МИРЕ. – 2023. – Т. 34. – №. 6. – С. 125-130.
7. JS K. DETERMINATION OF TOXICITY LEVEL OF (2S)-2-AMINO-3-(1H-INDOL-3-YL) PROPANOIC ACID USING MOLECULAR MODELING FRAMEWORKS //Scientific Impulse. – 2023. – Т. 1. – №. 9. – С. 1020-1023.
8. Obidovich M. S. THE USAGE OF MODERN TEST SYSTEMS WHILE TEACHING THE SUBJECT OF MEDICAL CHEMISTRY //Лучшие интеллектуальные исследования. – 2023. – Т. 11. – №. 2. – С. 194-197.
9. Каримов, Жавохир Собирзода. "Ниязов Лазиз Нурхонович ПРОИЗВОДНЫЕ ТИОМОЧЕВИНЫ С ГИДРОКСИБЕНЗОЙНЫМИ КИСЛОТАМИ Universum химия и биология. 2021. № 8 (86)." URL <https://cyberleninka.ru/articlen/proizvodnye-tiomocheviny-sgidroksibenzoyny> (2021).