

DORIXONA SHAROITIDA MIKSTURA TAHLILINI O'TKAZISH

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Tahlil uchun tanlab olingan mikstura tarkibi

Rp:

Natriy bromid 6,0

Magniy sulfat 6,0

Glyukoza 25,0

100,0 ml gacha tozalangan suv

Kimyoviy nazorat xususiyatlari

Sifatl va miqdoriy tahlillar tarkibiy qismlarning dastlabki tekshiruviziz o'tkaziladi.

Suyuq dori shakllarida glyukozani aniqlashning eng tezkor usuli refraktometriya usuli hisoblanadi.

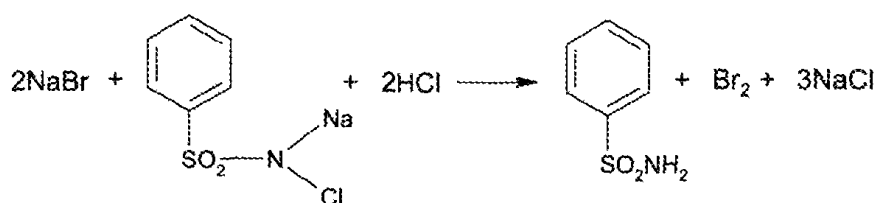
Organoleptik nazorat

Rangsiz shaffof suyuqlik, hidsiz.

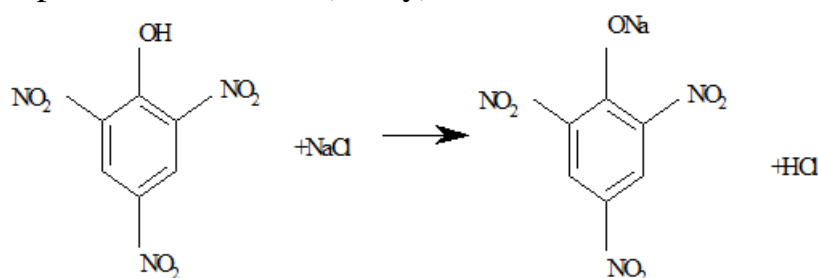
Chinligini aniqlash

Natriy bromid

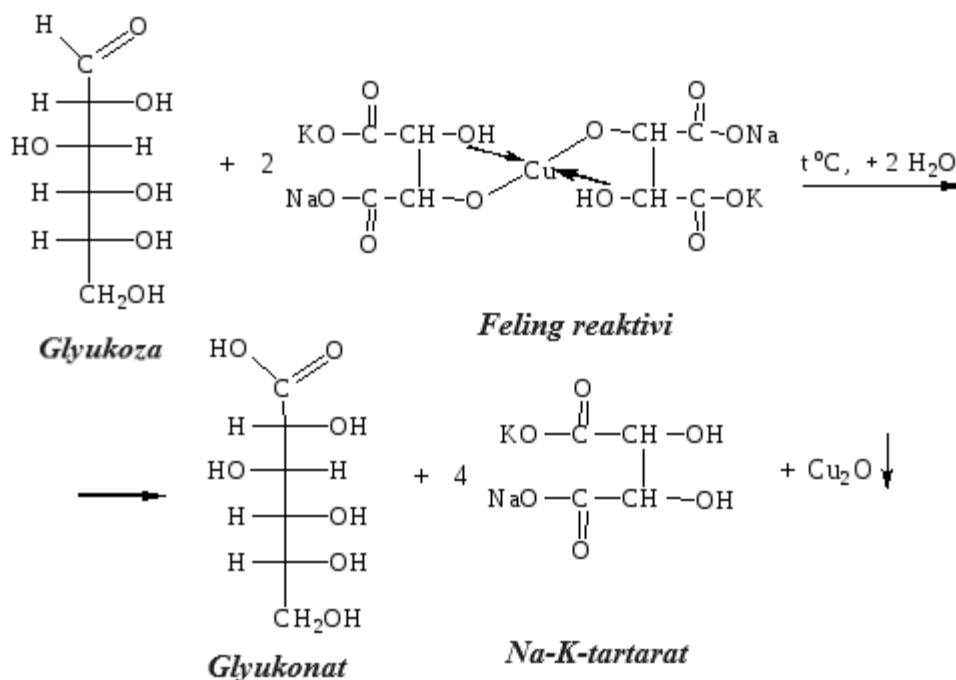
1. 0,5ml dori shakliga 0,1ml suyultirilgan xlorid kislota, 0,2ml xloramin eritmasi, 1ml xloroform qo'shib chayqatiladi. Xloroform qatlami sarg'ayadi (bromid ioni).



2. Buyum oynasiga 0,1 ml dori shaklidan, ustiga 0,1 ml pikrin kislota eritmasi qo'shiladi va quriguncha parlanadi. Muayyan shakldagi sariq kristallar (natriy pikrat) mikroskop ostida kuzatiladi (natriy).

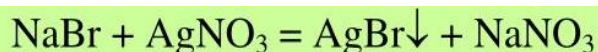


3. 0,5 ml dori shakli 1-2 ml Feling reaktivi qo'shiladi va qaynaguncha qizdiriladi. Qizi'ish cho'kma hosil bo'ladi.

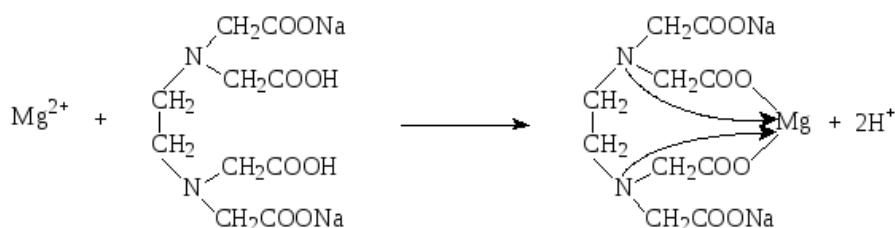


Miqdoriy tahlil

Natriy bromid. Argentometrik usul. 0,5 ml aralashmaga 10ml suv, 0,1ml bromofenol ko'kl, tomchilab yashil-sariq ranggacha suyultirilgan sirka kislotasi qo'shiladi va kumush nitratning 0,1mol/l eritmasi bilan binafsha ranggacha titrlanadi. 1 ml 0,1 mol/l kumush nitrat eritmasi 0,01029 g natriy bromidga to'g'ri keladi.



Magniy sulfat. Kompleksometrik usul. 0,5ml aralashmaga 20ml suv, 5ml ammiak bufer eritmasi, 0,05g maxsus xrom qora kislotali (yoki kislotali xrom quyuc ko'k) indikator aralashmasi qo'shiladi va 0,05mol/l Trilon B eritmasi bilan ko'k ranggacha titrlanadi. Trilon B ning 1ml 0,05mol/l eritmasi 0,01232g magniy sulfatiga to'g'ri keladi.



Glyukoza. Aniqlash refraktometrik usulda amalga oshiriladi.

Gramdagi glyukoza miqdori (X) quyidagi formula bo'yicha hisoblanadi:

$$X = \frac{[n - (n_0 + F_{\text{NaBr}} \cdot C_{\text{NaBr}} + F_{\text{MgSO}_4 \cdot 7\text{H}_2\text{O}} \cdot C_{\text{MgSO}_4 \cdot 7\text{H}_2\text{O}})] \cdot 100}{F_{\text{glyukoza suvsiz}}} \cdot 1,11$$

Bunda:

$n$  - 20°C da tahlil qilinadigan eritmaning sindirish ko'rsatkichi;

$n_0$  – 20°C da suvning sindirish ko'rsatkichi;

$F_{NaBr}$  - 0,00134 ga teng 1% natriy bromid eritmasining sinishi ko'rsatkichini oshirish omili;

$C_{NaBr}$  - eritmadagi natriy bromid konsentratsiyasi, topilgan argentometrik yoki merkurimetrik usul,% da;

$F_{MgSO_4 \cdot 7H_2O}$  – 0,000953 ga teng 2,5% li magniy sulfat eritmasining sindirish ko'rsatkichini oshirish omili;

$S_{MgSO_4 \cdot 7H_2O}$  – eritmadagi magniy sulfat konsentratsiyasi, trilonometrik usulda topilgan, % da;

1.11 - kristallanish suvining 1 molekulasi bo'lgan glyukoza uchun konversiya koeffitsienti;

$F_{glyukoza\ suvsiz}$  – suvsiz glyukoza eritmasining sindirish ko'rsatkichini oshirish omili = 0,00142.

Xulosa. dorixonada sotiladigan analiz uchun tanlab olingan mikstura tahlili standartga muvofiq o'tkazildi va foydalanishga yaroqli deb topildi.

#### **Adabiyotlar**

1. Kenjayevich B. A. et al. Changes of basic intermediates in blood in myocardial infarction //Journal of Positive School Psychology. – 2022. – С. 1775-1781.
2. Байкулов А. К. Влияние хитозана на синтез ДНК и РНК при ожогах //Врач-аспирант. – 2012. – Т. 53. – №. 4. – С. 26-29.
3. Kenjayevich B. A. Dynamics of the nitroergic system in experimental hypercholesterolemia.
4. Bayqulov A. K., Raxmonov F. K., Egamberdiyev K. E. Indicators of endogenous intoxication in the model of burn injury in correction with chitosan derivatives //Educational Research in Universal Sciences. – 2022. – Т. 1. – №. 2. – С. 56-63.
5. Kenjayevich B. A. et al. Studies of reparative regeneration of chitosan derivatives in experimental thermal burns //ResearchJet Journal of Analysis and Inventions. – 2022. – Т. 3. – №. 4. – С. 1-6.
6. Asatullo ug'li, T. D., J. M. Uzakovich, and B. A. Kenjayevich. "Study of Changes in Calciferol in Eggs in Depending on the Season of the Year." *Middle European Scientific Bulletin* 24 (2022): 310-314.
7. Baykulov, Azim Kenjayevich, Salomat Asrorovna Halimova, and Nasiba Komiljonovna Murtazayeva. "VASCULAR ENDOTHELIAL DYSFUNCTIONS WITH HYPERLIPOPROTEINEMIA." *GOLDEN BRAIN* 1.7 (2023): 4-11.
8. Bayqulov A. K., Islomov X. I., Rahmonov F. X. Eksperimental giperkolesterolemiyada qondagi gomosistein mazmuni bilan endoteliy disfunktsiyasiga bog'liligiga izoh //Oriental renaissance: Innovative, educational, natural and social sciences. – 2023. – Т. 3. – №. 3. – С. 455-461.

9. Baykulov A. K., Halimova S. A., Murtazayeva N. K. Vascular endothelial dysfunctions with hyperlipoproteinemia //Golden brain. – 2023. – Т. 1. – №. 7. – С. 4-11.
10. Baykulov A. K., Inoyatova F. K. Preclinical study of drug forms based on chitosan //EUROPEAN SCIENCE REVIEW. – С. 31-33.
11. Baykulov A. K. et al. Effect of chitosan on internucleosomal degradation of DNA model animal skin cells //Journal of Theoretical and Clinical Medicine. – 2012. – №. 4. – С. 7-9.
12. Karjavov A., Fayzullaev N., Baykulov A. Production of acetone by catalytic hydration of acetylene //E3S Web of Conferences. – EDP Sciences, 2023. – Т. 389. – С. 01046.
13. Turaevich Y. O. et al. The effect of plasma therapy on the general circulation of blood in patients with extensive deep burns //Blood. – 2020. – Т. 7. – №. 4.
14. Yunusov O. T., Baykulov A., Rakhmonov F. Nakhalbayev The effect of plasma therapy on the general circulation of blood in patients with extensive deep burns. – 2020.
15. Mamadoliev, I., Fayzullaev, N., & Baykulov, A. (2021). PRODUCTION OF HIGH-SILICON ZEOLITES FROM KAOLIN. Збірник наукових праць ЛОГОС, 21-28.