

UJHELYI

KOCSAR, Laszlo; SZAIAY, Sandor; UJHELYI, Csaba; KISZTYUS, Lorand

Mechanism of action of the cobaltous ion - epinephrine antagonism.
Kiserletes orvostud 9 no.5-6:585-588 Oct-Dec 58.

1. Debreceni Orvostudományi Egyetem Kísérleti Intézete és a MTA
Atommag Kutató Intézete.

(COBALT, eff.

cobaltous ion inhib. of epinephrine actions in various animal
organs in vitro, mechanism of action (Hun))

(EPINEPHRINE, antag.

cobaltous ion in various animal organs in vitro, mechanism of
action (Hun))

UJHELYI, Csaba; SCHADEK, Janos; DEZSI, Zoltan; NAGY, Janos

Ionization chamber measuring device for determining the activity of gamma radiant preparations with the strength of 10-4-1 Curie. ATOMKI kezl 2 no. 3:237-241 '60.

1. Magyar Tudományos Akademia Atommag Kutato Intezete, Debrecen.

UJHELYI, Csaba; SCHADEK, Janos

Isotope pipette. Magy fiz folyoir 8 no.4:321-322 '60. (EEAI 10:2)

1. Magyar Tudományos Akademia, Atommag Kutato Intezet, Debrecen.
(Isotopes) (Pipettes)

83833

H/005/60/066/008/002/002
B02C/B064

21.3200

AUTHOR: Újhelyi, Csaba

TITLE: Investigations of the Extraction of Uranium (VI) With Di-n-butylphosphate

PERIODICAL: Magyar Kémiai Folyóirat, 1960, Vol. 66, No. 8, pp. 306 - 309

X

TEXT: The procedure applied by the author for preparing di-n-butylphosphate (DBP) is described in this paper. At 25°C, the viscosity of the DBP preparation, which was fifteen times washed with water, was 45.3 ± 0.3 cp, the refractive index (n_D) $1.4262 \pm 1.4 \cdot 10^{-4}$; and the density $1.0519 \pm 1 \cdot 10^{-4}$ g.cm⁻³. The volume change of the phases in percent as a function of the number of shakings in washing monobutylphosphate to be removed in the preparation of di-n-butylphosphate, out of the tetrachloromethane phase was graphically studied (Fig. 1). The extractability of uranyl chloride, -nitrate, -sulfate, and -acetate from aqueous solutions into a 0.1 N solution of DBP in tetrachloromethane

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83833

Investigations of the Extraction of
Uranium (VI) With Di-n-butylphosphate

H/CO5/60/066/008/002/002
B020/B064

was studied as a function of the concentration of hydrogen chloride-, nitric-, sulfuric-, and acetic acid in the aqueous initial solutions; the concentration of uranyl ion amounted to 0.04 N in each case. On the basis of the data given in Table 1, a time of ten seconds was chosen as shaking time. The dependence of the degree of extraction on the gram-equivalent ratio of DBP and UO_2^{2+} was graphically studied (Fig. 2). Fig. 3 shows the dependence of the degree of extraction of UO_2Cl_2 , $UO_2(NO_3)_2$, UO_2SO_4 , and $UO_2(CH_3COO)_2$ on the normality of HCl, HNO_3 , H_2SO_4 , and CH_3COOH into a 0.1 N solution of DBP in tetrachloromethane. A description is given of the procedure used by the author for determining the uranium content in the phases. On the basis of the experimental results obtained, the extractability of uranium-VI from HCl, HNO_3 , and H_2SO_4 was found to have a maximum at an acid concentration of 0.2 N, while this maximum is found at 10 N for extraction from acetic acid. The author thanks Sándor Szalay, Director of the Institute, for making these investigations possible, and Csaba Újhelyi for her assistance in the

Card 2/3

83833

Investigations of the Extraction of
Uranium (VI) With Di-n-butylphosphate

H/005/60/066/008/002/002
B020/B064

experiments. There are 3 figures, 1 table, and 26 references: 17 US,
4 British, 1 German, 1 Hungarian, 2 Swiss, and 1 Danish.

ASSOCIATION: Debrecen, M.Tud.Akad.Atommag Kutató Intézet (Institute
of Nuclear Research of the Hungarian Academy of
Sciences, Debrecen)

SUBMITTED: November 4, 1959

Card 3/3

UJHELYI, Csaba

Synthesis of actinium containing preparation from "Uranlaug-
ruckstande." ATOMKI kozl 3 no. 2/3 117-122 '61.

SCHADEK, Janos; UJHELYI, Csaba

Simple distance pickup tongs for radioactive work.
ATOMKI kozl 3 no.4:235-236 '61

UJHELYI, Csaba (Debrecen)

Laboratory validity investigation of distance law by a cylinder chamber in case of Co^{60} , Cs^{137} and Ra^{226} springs. *Magy fiz folyoir* 9 no.3:189-200 '61.

1. Magyar Tudományos Akademia Atommag Kutato Intezete, Debrecen.

BRUCHER, Erno; UJHELYI, Csaba, dr.; TOTH, Endrene

Ion-exchange cleaning and DBP-extraction of Ce-114 from lactic acid medium. ATOMKI kozl 4 no.1:37-43 My '62.

1. Magyar Tudomanyos Akademia Atommag Kutato Intezete tudomanyos munkatarsa, Debrecen (for Ujhelyi).

UJHELYI, Csaba

Further investigations in the applicability of distance law
by means of a gamma-ionization roll chamber. Magy fiz folyoir
10 no.3:199-206 '62.

1. Magyar Tudományos Akademia Atommag Kutato Intezete, Debrecen.

UJHELYI, Csaba

Sr⁹⁰ source preparing method for the determination of the time of dissolution of the Geiger-Müller counters by means of applying the method of "proportional sources." Magy fiz folyoir 11 no.3: 245-248 '63.

1. Magyar Tudományos Akademia Atommag Kutato Intezete, Debrecen.

UJHELYI, Geza, okl.gepeszmernok

New instruments for measuring quantities. Ipari energia 2 no.12:
278-282 D '61.

1. Komloi Eromu Vallalat.

UJHELYI, J.

Experiments of association with species of wild grass. p.303.
(Magyar Nemzeti Múzeum Természettudományi Múzeum Évkönyve, Vol. 7, 1956,
Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 9, Sept. 1957. Uncl.

UJHELYI, Jozsef (Budapest, X.IV., Vajdahunyad var)

Further cytotaxonomical studies in the field of genus Sesleria.
Botan kozl 48 no.3/4:278-280 '60.

UJHELYI, J.

Popovics, S.; Ujhegyi, J. "The Results of Research on Cement in 1952" p. 315
(Építőanyag, Vol. 5, No. 10, October, 1953, Budapest)

SO: Monthly List of East European Vol. 3, No. 3 1954
Accessions / Library of Congress, March 1953, Uncl.

UJHELY, J.

HUNG

116. The evaluation of concrete block tests conducted by the Qualifying Laboratory of the Institute of Building Science in 1952-53. In 1954. *Féherillet* 1953. I. évfolyam az ÉTI. minőség Laboratórium által vezetett betonblokk vizsgálata: hírtételese - J. Popovics and J. Ujhegyi. (Hungarian Building Industry - Magyar Építőipar) Vol. 2, 1953, No. 12, pp. 389-394, 5 tabs.

The results of compression tests conducted on concrete blocks taken at various construction sites were treated by methods of mathematical statistics. The distribution of the strength of concrete samples of identical composition of average strength and dispersion are given. It could be established that the strength properties usually follow a normal dispersion. The data on average strength proved that in most cases concrete strength was either significantly above or below the strength stipulated by the estimator. This may be attributed to the inadequate composition of the concrete since substantial quantities of cement could have been economized if the prescriptions had been adhered to. The dispersion of the strength data ranged between 12 to 25% of the average values. The article offers suggestions for eliminating the faults.

UJHELYI, JANOS

HUNGARY/Chemical Technology - Chemical Products and Their
Application, Part 2. - Ceramics, Glass, Binders,
Concretes. - Binders, Concretes and Other Silicate
Building Materials.

H-12d

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 22220

Author : Janos Ujhelyi

Inst :

Title : Methods of Investigation of Trass Rocks.

Orig Pub : "Építőanyag, 1957, 9, No 2, 80-89

Abstract : It was established based on trass (T) tests carried out in Hungary that the solidification character of a mixture of T and lime depended on the ratio of components, water and the magnitude of T shrinkage. T-es extracted at different places react to the amounts of added lime and water in different ways. Addition of plaster-of-Paris acts on T solidification in a positive way. If a mixture of T and lime

Card 1/2

Ujhelyi, J.; Szekely, A.

Use of blast furnace foam cinder in the construction of medium and large blocks. p.405

MAGYAR EPITOIPAR. (Epiteipari Tudomanyos Egyesulet) Budapest, Hungary
Vol.8, no.8, August 1959

Monthly List of East European Accessions (EEAI) LC, Vol.8, no.11
November 1959

Uncl.

UJHELYI, J.

Dross concretes, p. 429.

EPITOANYAG. (Epitoanyagipari Tudományos Egyesület) Budapest, Hungary.
Vol. 11, no. 12, Dec. 1959.

Monthly list of East European Accession (EEA.I) LC Vol. ~~69, no. 6, Aug. 1960~~
9, no. 2, Feb. 1960

Uncl.

UJHELYI, Janos; BONTA, Jozsef; DEAK, Gyorgyne; HORVATH BORS, Erno

Constructing middle and large blocks from foam slag concrete. Magyar
ep ip 10 no.2:65-70 '61.

1. "Magyar Epitoipar" szerkeszto bizottsagi tagja.

UJHELYI, Janos

Applying lightweight aggregate concrete in stressed structures.
Magy ep ipar 10 no.9:401-405 '61.

UJHELYI, János

Scope of using perlit~~e~~ and experiences with its application. Magyar
ipar 10 no.12: ~~541-544~~ p '61.

UJHELYI, Janos

Preparation of perlite concrete and its properties. Magy ep ipar 11
no.12:561-565 '62.

UJHELYI, Janos

Construction faults in perlite concrete preparation. Magyar ipar
11 no.12:575-576 '62.

TOBIAS, Lorand, dr.; UJHELYI, Janos

Evaluation of research institute studies and reports on the ground
of the analysis of scientific research work. Zpites szemle 7 no.10:
293-300 '63.

1. Epitestudományi Intézet igazgatója (for Tobias). 2. Epitestudományi
Intézet tudományos osztályvezetője (for Ujhelyi).

UJHELYI, Janos

Planning the composition of light concrete with porous aggregates. Magyar ipar 12 no.3:97-101 '63.

1. Építéstudományi Intézet Szerkezeti Anyagok Osztálya.

ROZGONYI, Ferenc; VERES, Gergely; UJHELYI, Janosne

Description of the study entitled "Evaluation of closed areas from the point of view of heat engineering" winning 2d prize at the contest arranged by the Ministry of the Construction. Epuletgepeszet 13 no. 1:36-38 F '64.

UJHELYI, K, 1952

"Studies on the Purification of the Antigen-Substance of *S. Typhosa*."

Nepegesz., 1952, 33/3(92-95)
Abst: Exc. Med. IV., Vol. 5, No. 9, p. 963

UJHELYI, KAROLY

KUBINYI-SCHWANNER, Marta, dr.; FURESK, Istvan, dr.; BARSY, Gyula, dr.;
UJHELYI, Karoly, dr.; BOKSOKY, Sandor, dr.

Comparative examination of the diagnostic methods in brucellosis.
Nepesegsegugy 35 no.8:208-216 Aug 54.

1. Közlemeny az Országos Kozegeszsegugyi Intezet (foigazgato: Havas
Andras, dr.) bakteriologiai osztalyarol (osztalyvezeto: Furesz
Istvan, dr.) es oltanyagtermelo osztalyarol (osztalyvezeto:
Ujhelyi Karoly, dr.)
(BRUGELLOSIS, diagnosis
serodiag., evaluation of methods)

UJHELYI, S.

Distr: 4E2c(j)/4E3d

7
 ✓ Production of single anthracene crystals. Imre Tarján
 and Sándor Ujhelyi. *Magyar Fiz. Folyóirat* 3, 384-8
 (1955). Single anthracene crystals for scintillation coun-
 ters were prepd. in a crucible, which was immersed in a
 temp. controlled furnace, and filled with O-free H₂. The
 anthracene was previously purified by melting it in an O-
 free atm. at 200-250°. The single crystals were 2.3 cm.
 in diam. and 5 cm. long. B. Rona...

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UJHELYI, K.

Vaccine, modern instrument of prevention and healing. p. 408

Vol. 114, no. 7, July 1955

TERMESZET ES TARSADALOM

Budapest

Source: Monthly list of East European Accessions, (EEAL), LC,
Vol. 5, no. 3, March 1956

Distr: 4E3d

Preparation of anthracene single crystals. Sándor
Óhelyi. Magyar Fiz. Folyóirat 3, 71-2(1957).—The crys-
tal is cut with a wet thread which is slowly moved between 2
spindles. The crystals are polished with toluene-soaked
slit. E. Rozsa—

3
2 May

9/2

UJHELYI KAROLY, Dr.; BARSY GYULA, Dr.; FERENCZI ENDRE, Dr.

Epidemiological study on the effectiveness of the extract-precipitate pertussis vaccine. Orv. hetil. 98 no.36:979-982 8 Sept 57.

1. Az Országos Kószeszegügyi Intézet (Főigazgató: Tarkó József dr.) közleménye.

(WHOOPING COUGH, prev. & control.

diphtheria-pertussis vaccine of bact. extracts & precipitates, epidemiol. evaluation (Hun))

PUMP, Karoly, Dr.; UJHELYI, Karoly, Dr.

Data on serodiagnosis of whooping cough. *Gyermekgyógyászat* 10 no.9:
281-284 Sept 1959

1. A Pécsi Orvostudományi Egyetem Gyermekklinikájának (Igazgató:
Dr. Kerpel Frónius Odon egyetemi tanár) és az Országos Közegészségügyi
Intézet (Főigazgató: Dr. Bakács Tibor) Oltoanyagkutató Osztályának
közleménye.

(WHOOPING COUGH, diag.)
(SERODIAGNOSIS)

UJHELYI, K.; ORMAY, L.

A simple and practical method for the purification of diphtheria
toxoid. Acta microb. hung. 8 no.1:21-33 '61.

1. State Institute of Hygiene, Budapest.
(TOXINS AND ANTITOXINS) (DIPHTHERIA immunol.)

ORMAY, L.; UJHELYI, K.

Titration of diphtheria toxin, antitoxin and toxoid in tissue culture.
Acta microb. hung. 8 no.4:389-396 '61.

i. State Institute of Hygiene, Budapest.

(CORYNEBACTERIUM DIPHTHERIAE immunol)
(TOXINS AND ANTITOXINS pharmacol)
(TISSUE CULTURES pharmacol)

UJHÉLYI, Karoly

KAROLY, Ujhelyi; ORMAY, Laszlo

A simple practical method for purifying diphtheria anatoxins.
Kiserletes orvustud. 13 no.2:188-197. My '61.

1. Orszagos Kozegeszesegegyi Intezet, Budapest.
(DIPHTHERIA immunol.) (TOXINS AND ANTITOXINS)

UJHELVI, L.
KATONA, L., UJHELVI, L.

The use of bromine in pulmonary tuberculosis. *Tuberk.*
kerdesei 5 no.4:61-62 1952. (GDL 25:5)

1. Doctor. 2. Matrahazi State Tuberculosis Sanatorium
(Director - Head Physician -- Dr. Andor Lanyi).

UJHELYI, Laszlo

Technical development and wage payment problems in connection
with wrapping. Munka szemle 8 no. 3:15-21 Mr '64.

UJHELYI, Laszlo

Role of organization in manufacturing basic materials for the
chemical industries. Munka szemle 8 no. 7:16-20 J1 '64.

UJHELYI, SANDOR

13691* The Production of Anthracene Monocrystals. An-
tracén egykristályok előállítása. (Hungarian.) In: Tarján
and Sándor Ujhelyi, Magyar Fizikai Folyóirat, v. 3, no. 4, 1955.
p. 363-368.

Ch
D Improved method for purifying, growing, and cooling crystals
for scintillation counters. Diagram, photograph. 8 pp.

Handwritten initials or signature.

UJHELYI SANDOR

HUNGARY/Nuclear Physics - Installations and Instruments. Methods of Measurement and Research C-2

Abs Jour : Ref Zhur - Fizika, No 4, 1958, No 7665

Author : Ujhelyi Sandor
Inst : Orvosi Fizikai Intezet, Budapest, Hungary
Title : Processing of Anthracene Monocrystals.

Orig Pub : Magyar fiz. folyoirat, 1957, 5, No 1, 71-72

Abstract : The following method is proposed for processing crystals: cutting the crystal of necessary dimensions with the aid of a thread, moistened in toluol, which is wound from one bobbin onto another and as it moves it cuts the crystal ar more correctly dissolves it. The winding bobbin is driven by a small motor. The polsihing is with a sild cloth, slightly moistened with toluol.

Card : 1/1

UJHELYI, Sandor, dr.

"Odonata" by Douglas St. Quentin. Reviewed by Dr. Sandor Ujhelyi.
Allattani kozl 48 no.1/4:143 '61.

UJHELYI, Sandor

"Some problems of chemical kinetics and reactivity" by N.N.Semenov.
Reviewed by Sandor Ujhelyi. Magy fiz folyoir 10 no.3:247-249
'62.

UJHELYI, Sandor

Some current problems of automation in the milk industry. Eleim
ipar 18 no.8/9:248-252 Ag-S '64.

IVANYI, P.; SOUKUPOVA, M.; ONDRUS, B.; CZAMBELOVA, A.; UJHELYIOVA, M.;
SMETANA, K.

Experimental fetal erythroblastosis in rabbits produced by passive
immunization of the female with immune iso-agglutinins. Bratisl. Lek.
Listy 2 no.11:633-647 '61.

1. Z Okresnej transfuznej stanice pri OUNZ v Nitre, prednosta MUDr.
Czambelova, z Biologickeho ustavu Lek. fak. KU v Prahe, prednosta
prof. MUDr. B. Sekla, z Patologickoanatomickeho ustavu Lek. fak. Univ.
Komenskeho v Bratislave, prednosta doc. MUDr. M. Brozman, a z Histologic-
keho ustavu Lek. fak. KU v Prahe, prednosta prof. MUDr. J. Wolf.

(ERYTHROBLASTOSIS FETAL exper)

IVANYI, P.; UJHELYIOVA, Marta

Immunological tolerance in rabbits. I. The effect of large postnatal injections of group 0 erythrocytes of heteroagglutinin formation. Folia biol. 7 no.4:237-242 '61.

1. District Transfusion Station, District Hospital, Nitra.
(ANTIGEN-ANTIBODY REACTION pharmacol.)
(ERYTHROCYTES pharmacol.)

IVANYI, P.; CZAMBELOVA, Anna; DORNETZHUBER, V.; UJHELYIOVA, Marta

Immunological tolerance in rabbits. II. The influence of intra-embryonal injections of group incompatible blood on the formation of immune isoagglutinins. Folia biol. 7 no.5:337-342 '61.

1. Blood Transfusion Station and Department of Morbid Anatomy,
District Institute of National Health, Nitra.

(FETUS) (BLOOD GROUPS) (PREGNANCY immunol)
(ANTIGEN ANTIBODY REACTIONS in pregn)

UJHELYIOVA, M.

(2)

Ivanyi, P.

53R

Institute of Experimental Biology and Genetics (Ustav experimentalnej biologie a genetiky CSAV), Prague; Director: docent M.HASEK, MD

Bratislava, Bratislavské lekárske listy, No 10, 1962, pp 575-580

"The Haptoglobin Level in Megaloblastic Anemias and Depression States"

Co-authors:

IVANYI, J., District transfusion station (okresni transfuzna stanice), Nitra,
director: A. CZAMBELOVA, MD

UJHELYIOVA, M., Internal department OUNZ Nitra, director: A. Goldschmidt, MD

UJHELYIOVA, Marta

IVANKI, P.

CZECHOSLOVAKIA

no academic degree indicated

District transfusion station of OUMZ (Okresna transfuzna stanica pri OUMZ), Nitva;
Director: A. CZAMBELOVA. Internal Department of OUMZ (Interni oddelenie OUMZ),
Komarno; Chief: J. SVOREN, MD.

Prague: Vnitrai Lekarstvi, No 11, Nov 62, pp 1172-1179.

"The Level of Haptoglobins in Monoblastoses II"

Co-authors:

IVANKI, J. same as above

UJHELYIOVA, Marta same as above

IVANYI, P.; KORINEK, J.; BROZMAN, M.; UJHELYIOVA, Marta

Effect of anti-protein antibodies in vivo. I. Anaphylactic shock
in guinea-pigs produced by rabbit serum against guinea-pig globulins.
Folia biol. 8 no.5:271-275 '62.

1. Institute of Experimental Biology and Genetics, Czechoslovak
Academy of Sciences, Prague; Institute of Morbid Anatomy, Medical
Faculty, Bratislava; District Transfusion Station, Nitra.
(ANAPHYLAXIS) (IMMUNE SERUMS) (SERUM GLOBULIN)

IVANYI, J.; RAGANOVA, K.; UJHELYIOVA, M.; IVANYI, P.

Haptoglobin level in pulmonary carcinoma. Neoplasma 9 no.1:81-83 '62.

1. Department of Medicine, District of Health Center, Komarno; Department of Oncology, District of Health Center, Nitra; District Transfusion Service, Nitra, CSSR.

(MUCOPROTEINS blood) (LUNG NEOPLASMS blood)

IVANYI, P.; IVANYI, J.; UJHELYIOVA, M.

Haptoglobin level in megaloblastic anemias and depressive states.
Bratisl. lek. listy 42 no.10:575-580 '62.

1. Z Ustavu experimentalnej biologie a genetiky CSAV v Prahe, veduci
doc. MUDr. M. Hasek, Dr. Sc., z Okresnej transfuznej stanice v Nitre,
veduca prim. MUDr. A. Czambelova, a z Interneho oddelenia OUNZ v
Nitre, veduci prim. MUDr. A. Goldschmidt.
(HAPTOGLOBINS) (ANEMIA MACROCYTIC) (ANEMIA PERNICIOUS)
(DEPRESSION)

IVANYI, P.; HODZOVA, Olga; BROZMAN, M.; UJHELYIOVA, Marta

Damage to the females during experimental erythroblastosis
foetalis in rabbits. Folia biol. (Praha) 9 no.6:433-439 '63.

1. Institute of Experimental Biology and Genetics, Czechoslovak
Academy of Sciences, Prague; Transfusion Station and Institute
of Morbid Anatomy, Medical Faculty, Bratislava; District
Transfusion Station, Nitra.

(ERYTHROBLASTOSIS, FETAL)
(PREGNANCY COMPL., HEMATOLOGIC)
(SHOCK) (PATHOLOGY) (IMMUNIZATION)
(HEMATOMA) (HEMORRHAGE)

UJHIDY, AUREL.

Petrokemiai analitikai vizsgalatok.

Budapest, Hungary, Magyar Asvanyolaj es Foldgaz Kiserleti Intezet
1955, 43 p.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 6, June 1959
Uncl.

UJHIDY, A.

Country : Hungary H-22
Category :
Abs. Jour. : 40022
Author : Kalman, L. and Ujhidy, A.
Institut. : Not given
Title : Determination of the Acid Components of Bituminous-Coal Tars by Titration in Nonaqueous Media
Orig Pub. : Nehezevegypari Kutato Int Kozsl, 1, No 1-2, 129-136 (1958)
Abstract : The authors describe a potentiometric procedure for the titration of the acid components of bituminous coal tars in nonaqueous solvents such as dimethylformamide, acetonitrile, pyridine, and 1 : 3 benzene-methanol, using a calomel-antimony, calomel-glass, and other electrode systems; 0.1 N KOCH₃ is used as the titrating solution. Titration curves are given for phenol, cresols, pyrocatechol, benzoic and acetic acids, and phenol-acid mixtures. The best results were obtained in dimethylformamide and in pyridine using the calomel-glass electrode system. It has been found that the determination of COOH

Card: 1/2

UJHIDY, Aurel; BABOS, Barnabas; FARADY, Laszlo

Investigations for the synthesis of dicyclohexylammoniumnitrite in a rotary film reactor. Magy kem lap 15 no.8:366-369 Ag '60.

1. Veszpremi Vegyipari Egyetem, Szerves Kemiai Tanszek.

UJHIDY, Aurelne

Spectrographic method for quantitative analysis of gallium in solutions.
Magy kem folyoir 66 no. 4:132-134 Ap'60.

1. Veszpremi Vegyipari Egyetem Analitikai Kemiai Tanszeke.

UJHIDY, Aurel, dr.

Petrochemical application of rotary film reactors with special regard to alkyl sulfonate production. Veszprém vegyip egy közl 5 no.4:389-394. '61

1. Veszpremi Vegyipari Egyetem Szerves Kémia Tanszék.

FARADY, Laszlo; UJHIDY, Aurel; BABOS, Barna

Preparation of organic pigments in rotary film reactors.

Veszprem vegyip egy kozl 6 no.1:49-56 '62

1. Veszpremi Vegyipari Egyetem Szerves Kemia Tanszek.

FARADY, László; UJHIDY, Aurel; HEIL, Balint; BABOS, Barna

Photometric determination of dinitro derivatives of benzene and toluene. Veszprem vegyip egy kozl 6 no.1:57-62 '62

1. Veszpremi Vegyipari Egyetem Szerves Kemia Tanszek.

BABOS, Barnabas; UJHIDY, Aurel; FARADY, Iaszlo

Application of rotary film reactor for continuous diazotization and coupling. Veszprem vegyip egy kozl 6 no.4:289-294 '62.

1. Veszpremi Vegyipari Egyetem Szerves Kemia Tanszek.

MULLER, Sandor; UJHIDY, Aurel; BABOS, Barnabas

Application of turbulent liquid films in chemical
engineering. Veszprem vegyip egy kozl 6 no.4:295-300
'62.

1. Veszpremi Vegyipari Egyetem Szerves Kemia Tanszek.

Ujrhidy, Aurel
NADASHI, M. [Nadasy, Miklos] dr. (Veszprem, Wartha Vince u.1-3); UYKHIDI,
A. [Ujhidy, Aurel] dr. (Veszprem, Vegyipari Egyetem); BABOSH, B.
[Babos, Barnabas] (Veszprem, Vegyipari Egyetem); HORVAT, A.
[Horvath, Albert] (Veszprem, Wartha Vince u. 1-3)

Investigation of the production and decomposition of tar-water
emulsion from the point of view of manufacturing technology.
Acta chimica Hung 32 no.3:377-386 '62.

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organicheskoy khimii.

UJHIDY, Aurel; MARKO, Laszlo; BABOS, Barnabas; HEIL, Balint

2.3-4.6-diacetone-L-sorbose oxidation tests. Veszprem vegyip
egy kozl 8 no.1:48-56 '64.

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H/005/60/000/004/001/001
B124/B207

S.5310

AUTHOR: Ujhidy, Aurélné

TITLE: Spectrographic procedure for the quantitative determination of gallium in solutions

PERIODICAL: Magyar Kémiai Folyóirat, no. 4, 1960, 132-134

TEXT: Recently, gallium is produced from the aqueous solutions which are a byproduct in lignite treatment; the present study was devoted to the determination of the gallium content from these hydrochloric acid solutions whose gallium content is between 0.02 and 0.5 g Ga/100 ml. A quartz spectrograph of the type ISZP 22 and an a.c. arc- and spark excitation device according to Török and Melcer were used for this purpose. The two following procedures were applied to the quantitative determination of gallium in the given solutions: 1) Scheibe-Rivas procedure and 2) the turntable procedure. In the Scheibe-Rivas procedure, the reference element was chosen on the basis of evaporation experiments; for this purpose, experiments were conducted with Sb, Bi, and Tl. To record the evaporation curves, bands with the following wavelengths were measured: 2943 Å for Ga,

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X

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2961 A for Cu, 2877 A for Sb, 2877 A for Bi, and 2709 A for Tl. The electrodes were made from spectroscopically pure carbon rods of 6 mm diameter and 18 mm length. One drop of the solution examined was applied to the surface of the new fracture, dried and then recorded. A BiCl_3 solution was used as reference element. The mean relative error of determination was $\pm 10\%$. In this connection the following items are of importance: 1) the carbon electrodes must be of exactly the same quality and have the same porosity; at the same temperature, it is necessary to have always the same time interval between the application of the drop and recording; 2) when the carbon electrodes are more porous, gallium covers a longer distance than bismuth; 3) at exposition to arc, the more porous electrodes became hotter, the time ratio between burning and cooling was not sufficient, and the intermittent arc could not be controlled. Subsequently, the turntable procedure was tested; A. J. Boyle et al. (Ref. 10: J. Lab. Clin. Med., 34.625.1949) and G. Szádeczky-Kardos in his report (Ref. 12: Oldatos szinképelemzés (Solution Spectrum Analysis), G. T. E. szinképelemző előadássorozata (series of reports by the G. T. E. on spectrum analysis) (1956;III) described thoroughly its application in the analysis of biological substances. The lower part of a rotating

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graphite disc on a horizontal carbon axis is introduced into the solution examined. The disc is operated by a gramophone motor via a bakelite disc which is coupled with the axis. After respective preliminary treatment, the surface of the graphite disc is moistened with the solution and, when the disc is turned, the solution enters the analytical space between disc and carbon electrodes. The disc diameter was 15 mm, the thickness 3 mm, and the number of revolutions was 6 per minute. Sparks were induced by self-induction of 12.8 Mhy and a capacitance of 6000 cm. The time of exposure was 2 minutes after a "pre-spark" treatment of one minute. The results were evaluated with a calibration curve and the same standard series as in the Scheibe-Rivas procedure was used. The blackening difference of the Ga- and Bi bands does not change within 1-5 minutes so that in fact the solution membrane forming is continuously renewed, and meanwhile no disturbing concentration develops. The turntable procedure is far more accurate (mean relative error $\pm 4.8\%$) than the Scheibe-Rivas procedure, and the error possibilities are also less high. Thus, this method is better suited for series analyses. The spectroscopically pure graphite discs used for recording, were produced and purified in the laboratory i.e., with 30-sec arc of 15 a d.c., the disc being used as anode

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and rotated at a speed of 25 rpm. I. Benkő and Pallai Ivánné (Ref. 9: Hazai köszénhamuk galliumtartalmának spektrografikus meghatározása (Spectrographic Determination of the Gallium Content of Hungarian Coal Ashes)). A Veszprémi Vegyipari Egyetem Tudományos Ülésszakának Előadásai (Reports of the Scientific Session Period of the Veszprém University of Technical Chemistry 1956) are mentioned. There are 4 figures, 1 table, and 12 references: 3 Soviet-bloc and 9 non-Soviet-bloc. The two references to English-language publications read as follows:
D. F. C. Morris and F. M. Brewer: Spectrochim. Acta. 7. 88. 1955;
L. H. Ahrens: Quantitative spectrochemical analysis of silicates. London, 1954.

ASSOCIATION: Veszprémi Vegyipari Egyetem Analitikai Kémiai Tanszéke
(Department of Analytical Chemistry of the Veszprém University of Technical Chemistry)

SUBMITTED: June 24, 1959

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Legend to Table 1: 1) Electrode of complete length; 2) after cutting off two mm; 3) after cutting of 4 mm; 4) with a denser electrode; 5) with a more porous electrode.

Table 1

	① Teljes hosszúságú elektród			② 2 mm-t lemetezve			③ 4 mm-t lemetezve		
	F Ca 2943 Å	F Bi 2938 Å	ΔF	F Ca 2943 Å	F Bi 2938 Å	ΔF	F Ca 2943 Å	F Bi 2938 Å	ΔF
④ Tömörebb elektród esetén	1,54 1,48	1,31 1,28	0,23 0,20	1,097 1,060	0,857 0,848	0,240 0,212	0,996 0,910	0,810 0,705	0,186 0,205
⑤ Porózusabb elektród esetén	1,57 1,50	1,36 1,30	0,21 0,20	1,043 1,010	0,743 0,725	0,300 0,285	0,960 0,910	0,478 0,505	0,482 0,403

X

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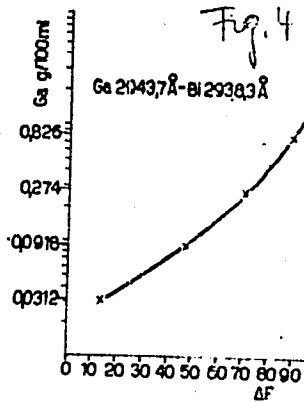
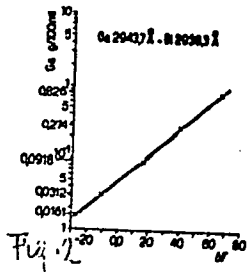
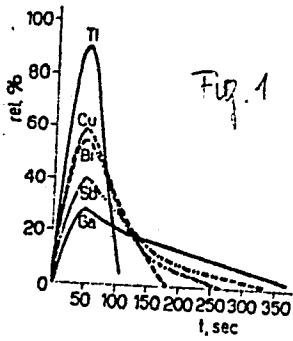
Spectrographic procedure for...

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Fig. 1: The evaporation curves of Tl, Cu, Bi, Sn, and Ga from hydrochloric acid solution.

Fig. 2: The calibration curve used in the Scheibe-Rivas procedure.

Fig. 4: The calibration curve used in the turntable procedure.



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UJHIDY, Klara

On the spectral analytic determination of nickel with the application of the rotating graphit plate. Chemia anal 7 no.1:261-268 '62.

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Spectrum analysis of solutions with the aid of a rotary graphite disk.
I. Magyar kémiai folyóirat 66 no.12:501-503 D '60.

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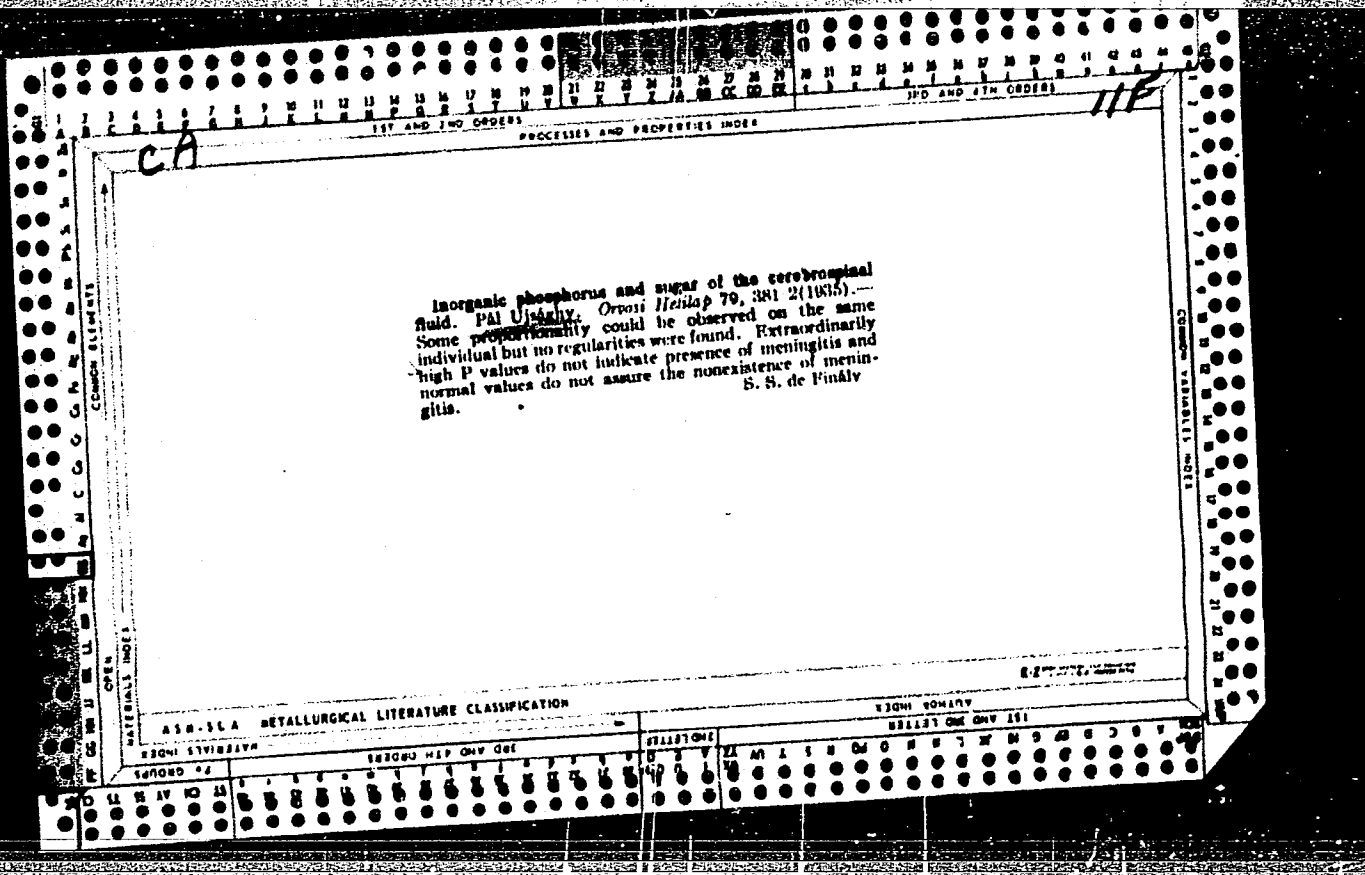
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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

113

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ASB-3LA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS

A-Z AND MC LETTERS

1ST AND 2ND ORDERS

A-Z AND MC LETTERS

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Modified cerebrospinal fluid color reaction for differentiation of meningitis and encephalitis. Kiserletes orvostud. 6 no.5:475-476
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(MENINGITIS, CSF in
color reaction in differ. diag. of encephalitis,
modified technic)
(ENCEPHALITIS, differ. diag.
meningitis, modified CSF color reaction)
(CEREBROSPINAL FLUID, in various dis.
encephalitis & meningitis, differ. diag., modified
CSF color reaction)

UJSAGHY, P.

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1061. UJSÁGHY P. and CZOBOLY Z. *Egyszerű módszer az anyatej tehéntejjel

1061 CONT

...tént hamisi tásának kimutatására. A simple method for proving
...alteration of human milk with cow's milk NÉPEGÉSZSE-
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Gyermekosztalyanak (foorvos: Ujsaghy Pal. dr.) kozlemenye.
(ERYTHRODERMA DESQUAMATIVUM, therapy,
sodium sulfate)
(SULFATES, therapeutic use,
sodium sulfate in erythroderma desquamativum)

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(VOMITING ther) (CHLORPROMAZINE ther)

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(MUCOUS MEMBRANE)

(NERVOUS SYSTEM)

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