"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEV, V.I., inzh.; EL'KINA, I.S., inzh.; BESEDINA, K.G., inzh.

Determining the amount of gasoline and alcohol in water-and-alcohol solutions of the alkyl sulfates of secondary schools. Masl.-zhir.prom. 28 no.12:28-29 D '62. (MIRA 16:1)

1. Shebekinskiy kombinat sinteticheskikh zhirnykh kislot i zhirnykh spirtov.
(Oils and fats) (Alcohols) (Gasoline)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

SHKURENKO, P.L., inzh.; BABAYEV, V.I., inzh.; GRANOVSKAYA, R.M., inzh.

Purification of barometric condenser waters. Masl.-zhir.prom. 29 no.1:34-35 Ja '63. (MIRA 16:2)

1. Shebekinskiy kombinat sinteticheskikh zhirnykh kislot i zhirnykh spirtov.
(Distillation) (Water—Purification)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEV, V.I.; RUSINOV, I.Ye.

Simultaneous oxidation of residual oils with paraffin and unsaponifiables. Khim.i tekh.topl.i masel 8 no.1:24-27 Ja '63. (MIRA 16:2)

1. Shebekinskiy kombinat sinteticheskikh zhirnykh kislot i zhirnykh spirtov.
(Shebekino--Acids, Fatty) (Oxidation) (Paraffins)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

RUSINOV, I.Ye.; BABAYEV, V.I.; KUDRYASHOV, A.I.; PROKOPCHUK, A.F.

New catalysts for the production of synthetic fatty acids. Khim.i tekh.topl.i masel 8 no.11:30-35 N '63. (MIRA 16:12)

1. Kombinat Sinteticheskiye zhirnyye kisloty i zhirnyye spirty i Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut sinteticheskikh zhirozameniteley.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

KUSINOV, I.Ye.; BABAYEV, V.I.

Obtaining a catalyst for the oxidation of paraffin from manganese salts of inorganic acids. Nefteper. i neftekhim. no.3:20-25 '63. (MIRA 17:9)

1. Shebekinskiy kombinat sinteticheskikh zhirnykh kislot i zhirnykh spiritov.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEV, V.I., inzh.; GRANOVSKAYA, R.M., inzh.; ZHIVOTKOVA, L.V.; BONDARENKO, I.S.

Removal of suspended matter from neutralized wastes in the manufacture of synthetic fatty acids. Masl.-zhir. prom. 29 no.3:32-34 Mr '63. (MIRA 16:4)

1. Shebekinskiy kombinat sinteticheskikh zhirnykh kislot i zhirnykh spirtov.
(Acids, Fatty) (Industrial wastes)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

RUSINOV, I.Ye., inzh.; BABAYEV, V.I., inzh.; KUDRYASHOV, A.I., inzh.

Obtaining catalysts for the oxidation of paraffin to fatty acids from inorganic salts of manganese. Masl.-zhir. prom. 29 no.6: 32-35 Je '63. (MIRA 16:7)

1. Shebekinskiy kombinat sinteticheskikh zhirnykh kislot i zhirnykh spirtov.
(Paraffins) (Acids, Fatty) (Catalysts)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

EL'KINA, T.S., inzh.; BABAYEV, V.I., inzh.; BESEDINA, K.G., inzh.

Obtaining methyl(ethyl) esters of fatty acids in the presence of trivalent iron sulfate. Masl.-zhir.prom. 29 no.7:26-27 Jl '63. (MIRA 16:9)

1. Shebekinskiy kombinat sinteticheskikh zhirnykh kislot i zhirnykh spirtov.

(Iron sulfates) (Acids, Fatty)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEV, V.I., inzh.; RUSINOV, I.Ye., inzh.; KUDRYASHOV, A.I., inzh.

Production of catalysts for paraffin oxidation. Masl.-zhir.prom. 29 no.11:37-40 N '63. (MIRA 16:12)

1. Shebekinskiy khimicheskiy kombinat.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

RUSINOV, I.Ye.; BABAYEV, V.I.; PROKOPCHUK, A.F.

Regeneration of manganese catalyst in the production of synthetic fatty acids and the economic value of these acids. Nefteper. i neftekhim. no.2:25-30 '63. (MIRA 17:1)

1. Shebekinskiy kombinat sinteticheskikh zhirnykh kislot i zhirnykh spirtov i Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskikh zhirov.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEV, V.I., inzh.; EL'KINA, T.S., inzh.; BESEDINA, K.G., inzh.

Esterification of synthetic fatty acids by methanol in presence of sulfuric acid. Report No.2. Masl.-zhir.prom. 30 no.2:33-34 F '64. (MIRA 17:3)

1. Shebekinskiy khimicheskiy kombinat.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEV, V.I.; EL'KINA, T.S.; RUSINOV, I.Ye.; BESEDINA, E.G.

Using still bottoms in the production of synthetic fatty acids from paraffin. Nefteper. i neftekhim. no.5:8-13 '65. (MIRA 18:7)

1. Shchebekinskiy khimicheskiy kombinat.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

USSR / Farm Animals. Cattle. Q

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 7306

Author : Babayev, Ya.
Inst : ~~Not given~~
Title : The Content of Ascorbic Acid in the Milk of Kholmogorskaya Cows at the Far North

Orig Pub : Zhivotnovodstvo, 1957, No 12, 80-81

Abstract : The milk of 13 Kholmogorskaya cows which were milked 4 times daily, was examined for its fat and ascorbic acid contents. One liter of milk contained the following amounts of ascorbic acid (in mg): 22 - 27.0 (100 percent) at the first milking, 19.7 - 27 (99.2 percent) at the second, 23.6 - 28.3 (105.7 percent) at the third, and 22.8 - 28.9 (106.9 percent) at the fourth. Correspondingly, the fat content (in

Card 1/2

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

USSR / Farm Animals. Cattle. Q

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 7306

percent) amounted to: 2.1 - 3.2 (100 percent), 2.9 - 4.3 (143.8), 2.3 - 5.0 (115.6), and 3.2 - 4.7 (143.8). It was determined that if the milk is rapidly boiled, vitamin C losses amount to 11 - 12 percent, if the milk is stored for 10 - 14 hours at 14 - 18° /C/, to 13 percent, and if the milk is stored in a cold place, to 2 percent.

Card 2/2

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEV, Ya.

Effect of refined naphthalane on the organism of cattle under conditions of oral administration. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.5:133-138 '60. (MIRA 14:9)
(NAPHTHALANE) (CATTLE--PHYSIOLOGY)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEV, Ya.M.

Fertilizers for winter crops in Northern Caucasus. Zemledelie 26 no.9:77-78 S '64. (MIRA 17:11)

1. Starshiy agronom Upravleniya Severnogo Kavkaza Ministerstva proizvodstva i zagotovok sel'skokhozyaystvennykh produktov RSFSR.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEV, Ya.M.

Urgent problems of a virgin land state farm. Zashch.rast.ot. vred.i bol. 4 no.3:8-11 My-Je '59. (MIRA 13:4)

1. Direktor sovkhoza "Oktyabr'skiy," Oktyabr'skiy rayon, Kustanayskoy oblasti.
(Kustanay Province--Plants, Protection of)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

FARZALIYEV, I.A.; BABAYEV, Ya.Yu.

Change in the protein fractions of the blood serum of sheep in experimental infectious polyarthritis. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.5:107-114 '64. (MIRA 17:5)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEV, Ye.A.; KVITNITSKIY, L.A., red.; MORSKOY, K.L., red.izd-va; SOLNTSEVA, L.M., tekhn.red.

[Centralized automotive transportation of building materials] TSentralizovannye perevozki stroitel'nykh materialov avtomobil'nym transportom; iz opyta avtotresta Stalinskogo sovnarkhoza. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1958. 48 p. (MIRA 12:2)

(Building materials--Transportation)
(Transportation, Automotive)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEV, Ye.

Promoter of high labor productivity. Avt. transp. 36 no. 7:34 Jl '58. (MIRA 11:8)

(Highway transport workers)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

KUZ'MINYKH, I.N.; BABAYEV, Ye.V.

Hydrodynamic indices for dipped screening trays. Trudy MKHTI no.24: 432-440 '57. (MIRA 11:6)
(Chemical engineering—Apparatus and supplies)
(Plate towers)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

KUZ'MINYKH, I.N., professor; BABAYEV, Ye.V.; BABUSHKINA, M.D.; SKVORTSOV, K.A.

Cooling sulfur dioxide in a bubbling gas scrubber with collapsible plates. Bum.prom. 32 no.2:2-5 F '57. (MLRA 10:5)
(Sulfur dioxide) (Sulfite liquor) (Scrubber (Chemical technology))

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

KUZ'MINYKH, I.N., prof.; BABUSHKINA, M.D.; BABAYEV, Ye.V.; KRAPIVIN, I.N.

Air blow recovery of sulfur dioxide from wash waters. Bum. prom. 32 no.12:2-5 D '57. (MIRA 11:1)

(Sulfur dioxide) (Wood pulp)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

KOPANTSEV, M.N.; OVCHINNIKOV, B.A.; BABAYEV, Ye.V.; BABUSHKINA, M.D.

System of purification and cooling of sulfur dioxide with the use of bubble tower equipment. Bum.prom. 34 no.2:11-15 F '59. (MIRA 12:4)

1. Upravleniye TsBP Kaliningradskogo sovnarkhoza (for Kopantsev). 2. Vtoroy Kaliningradskiy kombinat (for Ovchinnikov). 3. Moskovskiy filial TSentral'nogo nauchno-issledovatel'skogo instituta tsellyuloznoy i bumazhnoy promyshlennosti (for Babayev, Babushkina).

(Sulfur dioxide) (Scrubber (Chemical technology))

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABUSHKINA, M.D.; BABAYEV, Ye.V.; KIR'YAKOV, M.F.; KARASIK, K.K.; SHARAPOVA, Z.I.; KRAPIVIN, I.N.

Industrial bubble-cap column for the production of sulfite acid by the milk-of-lime method. Bum.prom. 34 no.6:12-15 Je '59. (MIRA 12:10)

1. Moskovskiy filial TSentral'nogo nauchno-issledovatel'skogo instituta tsellyuloznoy i bumazhnoy promyshlennosti (for Babushkina, Babayev). 2. Sokol'skiy tsellyulozno-bumazhnyy kombinat (for Kir'yakov, Karasik, Sharapova). 3. Sukhonskiy tsellyulozno-bumazhnyy kombinat (for Krapivin).
(Sulfite liquor) (Plate towers)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABUSHKINA, M.D.; BABAYEV, Ye.Y.; KIR'YAKOV, M.F.; KARASIK, S.S.; SHARAPOVA, Z.I.

Using unburnt crushed limestone to produce sulfite by the bubble column method. Bum.prom. 34 no.9:13-17 S '59. (MIRA 13:2)

1. Moskovskiy filial TSentral'nogo nauchno-issledovatel'skogo instituta tsellyuloznoy i bumazhnoy promyshlennosti (for Babushkina, Babayev). 2. Sokol'skiy tsellyulozno-bumazhnyy kombinat (for Kir'yakov, Karasik, Sharapova).
(Woodpulp) (Sulfur dioxide)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

KUZ'MINYKH, Ivan Nikolayevich, prof. [deceased]; BABUSHKINA, Mariya Dmitriyevna; BABAYEV, Yevgeniy Vasil'yevich; SASONKO, V.G., red.; NIKITINA, L.V., red. izd-va; PARAKHINA, N.L., tekhn. red.

[New equipment for the cooling and scrubbing of sulfur dioxide] Novaia apparatura dlia okhlazhdeniia i promyvki sernistogo gaza. Moskva, Goslesbumizdat, 1960. 68 p. (MIRA 15:2)

(Sulfur dioxide) (Plate towers)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABUSHKINA, M.D.; BABAYEV, Ye.V.

Production of ammonium-base sulfite acid in a bubble column. Bum.prom. 35 no.7:7-8 Je '60. (MIRA 13:8)

1. Moskovskiy filial TSentral'nogo nauchno-issledovatel'skogo instituta tsellyuloznoy i bumazhnoy promyshlennosti.
(Sulfite liquor)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABUSHKINA, M.D.; BABAYEV, Ye.V.; MOLCHANOVA, N.I.

Preparation of bisulfite solutions with a magnesium base. Bum. prom. 38 no.5:7-10 My '63. (MIRA 16:8)

1. Moskovskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta tsellyulozno-bumazhnoy promyshlennosti.
(Sulfite liquor) (Magnesium)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

NAZAROVA, Z.N.; BABAYEV, Yu.A.

Chemistry of pentasubstituted furans. Part 22: Syn furan sulfide compounds. Zhur. ob. khim. 34 no.10: 10-4015 O '64 (MIRA 18:1)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

NAZAROVA, Z.N.; BABAYEV, Yu.A.

Chemistry of 5-halofurans. Part 16: Synthesis of 5-chlorofurfurole and some of its derivatives. Zhur.ob.khim. 32 no.3:723-725 Mr '62. (MIRA 15:3)

(Furaldehyde)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

NAZAROVA, Z.N.; BABAYEV, Yu.A.; NATAL'INA, T.N.

[redacted]

Chemistry of 5-halofurans. Part 20: 5-Halo-2- acetylfurans.
Zhur. ob. khim. 33 no.5:1431-1436 My '63. (MIRA 16:6)

1. Rostovskiy-na-Donu gosudarstvennyy universitet.
(Furan)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

L 9812-66 EWT(m)/T/EWA(m)-2

ACC NR: AP5027991 SOURCE CODE: UR/0386/65/002/007/0314/0317

AUTHOR: Babayev, Z. R.; Zamiralov, V. S.; Solov'yev, L. D.

ORG: Joint Institute of Nuclear Research (Ob"yedinennyy institut yadernykh issledovaniy

TITLE: Electromagnetic properties of mesons in broken SU(6) symmetry

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. (Prilozheniye), v. 2, no. 7, 1965, 314-317

TOPIC TAGS: strong nuclear interaction, quantum field theory, vector meson, radiative decay, magnetic moment

ABSTRACT: It is shown that the relations between the radiative-decay probabilities and the magnetic moments of vector mesons, obtained from unitary symmetry broken only by electromagnetic interaction, remain unchanged when account is taken of medium-strong interaction that leads to observable mass splitting within unitary multiplets. Within the framework of both SU(6) and SU(3) symmetry, the electromagnetic current describing the radiative decays is a linear combination of octets and singlets, made up of the tensors of vector and pseudoscalar mesons and of a tensor that corresponds to the medium-strong interaction. In the case of SU(6) symmetry it is necessary to make up all the possible tensors $I^{\alpha}_{\beta} = I^{aA}_{bB}$ of the 35-plet of mesons M and the tensor I + aT, where T corresponds to the medium-strong interaction. By separating the contributions that transform in accordance with representations (8, 3) and (1, 3) of the

Card 1/2

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

L 9812-66

ACC NR: AP5027991

2

group SU(3) x SU(2), and using for T the tensor employed in the derivation of the mass formulas (M. A. Beg and V. Singh, Phys. Rev. Lett. v. 13, 418, 1964), which is a combination of parts of the 35-, 189-, and 405-plets that transform in accordance with the representations (1, 1) and (8, 1), an expression is obtained, taking C-invariance into account, for the Lagrangian describing radiative decays and the scattering in a magnetic field, as well as for the current. The latter is shown in the general case to lead only to the relations of SU(3) symmetry. If the current is assumed to be an octet, then the two schemes give, generally speaking, different results. It is perfectly feasible to check these relations experimentally. V. Zamiralov is grateful to S. A. Rogova for a preprint of her paper dealing with similar problems. Orig. art. has: 9 formulas. 55

SUB CODE: 18, 20 SUBM DATE: 28Jul65/ OTH REF: 004

Card 2/2

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEVA, A. and MIROZOYEVA, N. M.

"On SErological diagnosis of rickettsial diseases and Laboratory Diagnosis in Grippe Virus," a report given at the first republic scientific-practical conference of physician-bacteriologists of the Scientific Research Institute of Epidemiology, Microbiology and Hygien of the Minstry of Health Azerbaydzhan SSSR held in Baku, 25 Apr 56.'

SUM: 1360 p. 239

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

5(3)

AUTHORS: Meluzova, G. B., Babayeva, A. A. SOV/75-13-6-18/21

TITLE: Determination of Tertiary Butyl Alcohol and Acetone Concentrations in the Products of Isobutane Oxidation by Infrared Absorption Spectra (Opredeleniye kontsentratsii tretichnogo butilovogo spirta i atsetona v produktakh okisleniya izobutana po spektram pogloshcheniya v infrakrasnoy oblasti)

PERIODICAL: Zhurnal analiticheskoy khimii, 1958, Vol 13, Nr 6, pp 706-708 (USSR)

ABSTRACT: The adoption of chemical methods for the determination of acetone and tertiary butyl alcohol concentrations in the products of isobutane oxidation in the presence of hydrogen bromide met with great difficulties. Therefore, the authors of the present paper adopted the spectra of the reaction products in the infrared range for the solution of this problem. A method described in the literature (Ref 1) proved complicated, as the spectrometer prism must be substituted in the course of the determination and moreover a great dilution, calling for a corresponding great thickness of the bulb are required. On taking the absorption spectra of a solution of the chief

Card 1/4

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

Determination of Tertiary Butyl Alcohol and Acetone Concentrations in the Products of Isobutane Oxidation by Infrared Absorption Spectra SOV/75-13-6-13/21

oxidation products of isobutane (tert.-butyl hydro-peroxide, tert.-butyl alcohol and acetone) in carbon tetrachloride, bands appear in the 1700-800 cm^{-1} range, which are suitable for the determination. The band of the butanol at 918 cm^{-1} serves for the determination of the latter, without acetone and hydro-peroxide causing any disturbance. The determination of acetone is based on the band at 1718 cm^{-1} corresponding to the C=O bond (Ref 2). The adopting of CCl_4 as solvent allows determination on the basis of these bands, by a single filling of the bulb, the latter being only 0.3 mm thick. The optical density D results from the spectrogram, the molar concentration C is calculated from the Lambert-Beer relation $D = K \cdot C \cdot l$, where l is the vessel thickness in cm and K the extinction coefficient in $mole^{-1}$ $liter/cm^{-1}$. Purest raw products, the purity of which had been controlled spectroscopically, were used for the taking of spectra and plotting of calibration curves. Measurement of extinction coefficients and qualitative analysis were carried out with a modernized infrared IKS-11 spectrometer (Ref 3) with special bulbs for processing easily

Card 2/4

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

Determination of Tertiary Butyl Alcohol and Acetone Concentrations in the Products of Isobutane Oxidation by Infrared Absorption Spectra SOV/75-13-6-18/21

evaporating liquids (Ref 6). The connection between optical density and butanol concentration is linear up to values of ~0.35 mole. The error of determination depends on the reproducibility of the taking of spectra and amounts to ± 3-1% . To carry out this determination, gaseous reaction products are freezed out in a trap, cooled by liquid nitrogen and then solved in a certain quantity of carbon tetrachloride. The following values were established for the limit partial pressures of the reaction products: tert.-butyl hydro-peroxide from 1 to 40 torr., tert.-butyl alcohol from 0.5 to 20 torr., acetone from 0.5 to 25 torr. The content of tert.-hydro-peroxide was iodometrically determined, as the corresponding absorption bands are partially covered by an absorption band of CCl_4 at 875 cm^{-1}. There are 2 figures, 1 table, and 6 references, 3 of which are Soviet.

Card 3/4

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

Determination of Tertiary Butyl Alcohol and Acetone Concentrations in the Products of Isobutane Oxidation by Infrared Absorption Spectra SOV/75-13-6-18/21

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University imeni M. V. Lomonosov)

SUBMITTED: October 12, 1957

Card 4/4

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEVA, A. A. Cand Chem Sci -- (diss) "Kinetic laws of the oxidation of isobutane in the presence of hydrogen bromide." Mos, 1959. 11 pp (Mos State Univ im M. V. Lomonosov. Chem Faculty. Chair of Chem Kinetics), 150 copies (KL, 49-59, 138)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

5(4)

AUTHORS: Babayeva, A. A., Mayzus, Z. K., Emanuel', N. M.

SOV/62-59-8-6/42

TITLE: Oxidation Kinetics of Isobutane in the Presence of Hydrogen Bromide

PERIODICAL: Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1959, Nr 8, pp 1378-1385 (USSR)

ABSTRACT: In the present paper the investigation of the catalytic oxidation of hydrocarbons is continued and the oxidation kinetics of ramified hydrocarbons (in this case isobutane in the presence of HBr) is investigated by means of HBr. This reaction is very sensitive to the surface condition of the reaction vessels. Thus molybdene-glass vessels covered with a layer of boron oxides were used. The oxidation was carried out on a vacuum unit under static conditions. A figure shows the unit used. The way in which the reaction products were removed from the vessels is described. The peroxides obtained in the reaction were identified polarographically (peroxides of tertiary butyl, tertiary butyl alcohol, and acetone). Very definite stages were observed in the reaction process. In the first stage isobutane is mainly oxidized so that it forms the

Card 1/2

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

hydroperoxide of tertiary butyl; in the second stage the oxygen consumption drops and the reaction takes place via the formation of the hydroperoxide of butyl alcohol and the decomposition of the peroxide while acetone is formed. These facts were obtained by means of the determination of the yields under varying reaction conditions (changes in the concentration of initial materials) (Figs 3,4). The summary reaction process is represented by the following equations: $i\text{-}C_4H_{10}+O_2 \rightarrow (CH_3)_3COOH$, $(CH_3)_3COOH + (CH_3)_3CH \rightarrow (CH_3)_3COH + (CH_3)_2CO + CH_4$. There are 5 figures, 4 tables, and 14 references, 9 of which are Soviet.

ASSOCIATION: Institut khimicheskoy fiziki Akademii nauk SSSR (Institute of Chemical Physics of the Academy of Sciences, USSR) Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University imeni M. V. Lomonosov)

SUBMITTED: December 27, 1957

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEVA, A.A.; MAYZUS, Z.K.; EMANUEL', N.M.

Changes in the chemistry of the oxidation of isobutane in the presence of HBr as affected by additions of reaction end products. Dokl.AN Azerb.SSR 15 no.11:1009-1013 '59.
(MIRA 13:4)

1. Kafedra khimicheskoy kinetiki Moskovskogo gosudarstvennogo universiteta imeni Lomonosova i Institut khimicheskoy fiziki AN SSSR. Predstavleno akademikom AN Azerbaydzhanskoy SSR M.F. Nagiyevym.
(Propane) (Oxidation)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

85604

S/062/60/000/006/023/025/XX
B020/B060

11.1210 also 2209

AUTHORS: Babayeva, A. A., Mayzus, Z. K., and Emanuel', N. M.

TITLE: Part Played by the Surface in the Macroscopic Stages of Isobutane Oxidation Reaction in the Presence of HBr

PERIODICAL: Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1960, No. 6, pp. 976-980

TEXT: The oxidation mentioned in the title consists of two distinct macroscopic stages separated in time (oxidation of isobutane with oxygen on tert. butyl hydroperoxide, and decomposition of hydroperoxide and its reaction with the initial hydrocarbon). The differential-calorimetric method suggested by A. A. Koval'skiy (Ref. 5) was used for the study of the oxidation kinetics, and further evidence was found for the two-stage reaction course, and the part played by the surface in the macroscopic stages of this reaction was defined. The reaction was studied in a static vacuum system. A Mc-glass reaction vessel was washed out with a boric acid solution for surface stabilization (Ref. 6). The differential thermocouple

Card 1/4

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

85604

Part Played by the Surface in the Macroscopic Stages of Isobutane Oxidation Reaction in the Presence of HBr

S/062/60/000/006/023/025/XX
B020/B060

consisted of a constantan wire and several copper wires entered into 0.44-mm quartz capillaries. The junction for the measurement of temperature in the central zone was fixed in the central capillary, and the junction for the measurement of the wall temperature was fixed on the vessel wall. The heat flow between the temperature in the center of the reaction mixture and on the vessel wall was measured by a mirror galvanometer with an accuracy of $2.8 \cdot 10^{-9}$ a/mm/m. The kinetic curves of the accumulation of tert. butyl hydroperoxide and the heating curves of the reaction mixture during the isobutane oxidation in the presence of HBr are shown in Fig. 1, while the temperature dependence of ΔT_{max} (heating maximum) is illustrated in Fig. 2. The activation energy determined from the inclination of the straight line is 16.8 kcal/mole, which is in good agreement with the value of 16.4 kcal/mole found earlier from the kinetic curves of the accumulation of tert. butyl hydroperoxide. Tests made by applying a KCl layer first onto the reaction surface vessel and then onto the surface of the central capillary revealed that the heating of the reaction mixture, which corresponds to the reaction rate in the hydroperoxide formation, is

Card 2/4

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

85604

Part Played by the Surface in the Macroscopic Stages of Isobutane Oxidation Reaction in the Presence of HBr

S/062/60/000/006/023/025/XX
B020/B060

caused by the liberation of heat in the reaction vessel interior and not on its surface. For a proof of the heterogeneity of the second reaction stage, the reaction vessel was filled with packing material, the kinetic curves of the hydroperoxide accumulation with packing material in the vessel (Fig. 3) distinctly showing the different effects of the packing material upon the first and the second reaction stage. The effect of the packing material is the same at 150° and 170°C. The missing effect of the packing material upon the kinetics of the process in the first stage proves the homogeneous character of the tert. butyl hydroxide formation with a heterogeneous initiation of the chains. The rate increase in the second reaction stage with enlarged vessel surface proves the heterogeneous character of this stage. In the oxidation of isobutane in the presence of HBr there occurs partly a decomposition of tert. butyl hydroperoxide under formation of acetone, and partly its reaction with isobutane to form tert. butyl alcohol. In the presence of packing material (Fig. 4) the amount of resulting acetone is increased, and that of tert. butyl alcohol is decreased. There are 4 figures and 6 references: 5 Soviet and 1 US.

Card 3/4

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

85604

Part Played by the Surface in the Macroscopic Stages of Isobutane Oxidation Reaction in the Presence of HBr

S/062/60/000/006/023/025/XX
B020/B060

ASSOCIATION: Institut khimicheskoy fiziki Akademii nauk SSSR (Institute of Chemical Physics of the Academy of Sciences USSR)

SUBMITTED: December 16, 1958

Card 4/4

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

NAGIYEV, M.F.; PETROVA, Z.G.; TRYAPINA, L.I.; BABAYEVA, A.A.; ALIYEVA, K.Ya.

Effect of some factors on the yield of polymers and on their granulometric composition in the suspension polymerization of divinylbenzenes. Azerb.khim.zhur. no.2:71-79 '62. (MIRA 16:3)
(Benzene) (Polymerization) (Particle size determination)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

S/081/63/000/004/047/051
B156/B180

AUTHORS: Nagiyev, M. F., Petrova, Z. G., Tryapina, L. J., Babayeva, A. A., Aliyeva, K. Ya., Abubekirova, R. U.

TITLE: Determination of the optimum amounts of initiater and emulsifier for the suspension polymerization of divinyl benzenes

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 4, 1963, 617 - 618, abstract 4T154 (Azerb. khim. zh., no. 1, 1962, 99 - 103 [summary in Azerb.])

TEXT: The suspension polymerization of divinyl benzene in the presence of an initiator, isopropylbenzene hydroperoxide (0.25 - 2 %), and an emulsifier, the Na salt of dibutylnaphthalene sulfonic acid (0.25 - 2 wt.%) was used to accelerate the process of polymerization of divinyl benzenes. The polymerization process was conducted at 90 and 98°C, the experiment lasted 6 h, and the mixer was rotated at 600 rev/min. The optimum reaction conditions for the maximum yield of polymer with 0.3 - 1.5 mm grains are: 1.5 wt.% of initiater; 0.1 - 0.25 wt.% of emulsifier; 90 - 98°C. [Abstracter's note: Complete translation.]

Card 1/1

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

PETROVA, Z.G.; BABAYEVA, A.A.; SADYKHOVA, S.A.; ZEYNALOVA, K.G.

Some data on sulfocation exchangers obtained on the basis of polyalkyl benzenes produced by synthetic rubber plants. Azerb. khim. zhur. no.2:45-50 '63. (MIRA 16:8)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

L 18951-65 EWT(m)/EPF(c)/EPR/EWP(j)/T Pc-4/Pr-4/Ps-4 RPL/ASD(m)-3 RM/WW

ACCESSION NR: AP4049422 S/0316/64/000/001/0037/0042

AUTHOR: Petrova, Z. G.; Babayeva, A. A.; Sadykhova, S. A.; Zeynalova, K. G.; Mirzoyeva, O. I.; Zamanova, E. Yu.

TITLE: A study of relationships governing the copolymerization of divinylbenzenes with styrene using the sodium salt of polyalkylbenzenesulfonic acid as an emulsifying agent

SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 1, 1964, 37-42

TOPIC TAGS: copolymerization, emulsifier, polyalkylbenzenesulfonate, divinylbenzene copolymer, styrene copolymer, ion exchange resin, cumene hydroperoxide

ABSTRACT: This work is a continuation of earlier investigations on the adoption of polyalkylbenzenes used for alkylation in the production of high-molecular-weight compounds. The article presents the results of a study of the relationships governing the copolymerization of styrene with the technical-grade fraction of divinylbenzenes, the best ion-exchange resins being obtained from such copolymers. The copolymerization was carried out in the presence of cumene hydroperoxide as the initiator, and the sodium salt of polyalkylbenzenesulfonic acid as the emulsifier, developed at the INKhP under the supervision of M. A. Ashimov. The investigated factors affecting the copolymerization process were the temperature,

Card 1/2

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

L 18951-65

ACCESSION NR: AP4049422

the initiator and emulsifier concentration, and the duration of the experiment. The optimum values found were a temperature of 90C, a concentration of cumene hydroperoxide of 2%, a concentration of emulsifier of 0.5%, and a reaction time of 8 hrs. The highest yield of polymers was obtained at low concentrations of divinylbenzenes in the starting mixture. Orig. art. has: 3 figures and 3 tables.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: OC

NO REF SOV: 004 OTHER: 000

Card 2/2

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

L 18950-65 EWT(m)/EPF(c)/EWP(j) Pc-4/Pr-4 ASD(m)-3 RM

ACCESSION NR: AP4049431 S/0316/64/000/003/0083/0089

AUTHOR: Petrova, Z.G., Babayeva, A.A., Sady*khova, S.A., Zeynalova, K.G.

TITLE: Preparation of sulfpolymers from divinylbenzene and styrene and a study of their physicochemical properties

SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 3, 1964, 83-89

TOPIC TAGS: isopropylbenzene peroxide, divinylbenzene, styrene, copolymerization, sulfopolymer, sulfonation, polymer physical property, ion exchange resin

ABSTRACT: Copolymers produced from a mixture of styrene and 2.5% commerical divinylbenzene by heating for 6 hours at 90-98C using 1-3% isopropylbenzene peroxide as an initiator and 0.5% azolate as an emulsifier were sulfonated for 4 hours at 120C by 98-100% sulfuric acid used in a 4:1 ratio to the polymers. Granulometric composition,

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

Excessive swelling limits the divinyl content of the copolymers to 10%. Orig. art. has:

Card 1/2

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

USSR/Human and Animal Physiology. Digestion. V

Abs Jour: Ref. Zhur-Biol., No 6, 1958, 26966.

Author : A.G. Babayeva
Inst :
Title : Changes in the Function of the Guinea Pig Parotid Gland Durings its Regeneration.

Orig Pub: Byul. eksperim. biol. i meditsiny, 1957, 43, No 1, 92-95.

Abstract: Through a fistula in the duct of the left parotid gland the saliva of guinea pigs was collected on cotton tampons every three minutes and weighed. After removal of the right parotid and resection of the left at the level of the lower border of the mandible, salivation in response to a food stimulus ceased completely for the first 2-7 days. Subsequently salivation

Card : 1/2

31

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEVA, A.G.

Regeneration of parotid gland in guinea pigs [with summary in English]. Biul.eksp.biol. i med. 43 no.3:95-98 Mr '57. (MIRA 10:7)

1. Iz laboratorii rosta i razvitiya (zav. - prof. M.A.Vorontsova [deceased]) Instituta eksperimental'noy biologii (dir. - prof. I.N. Mayskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR N.N.Zhukovym-Verezhnikovym.
(PAROTID GLAND, physiol.
regen. of left gland after partial resection with excis. of right gland in guinea pig (Rus))

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEVA, A.G.

Morphophysiological analysis of reparative regeneration of the parotid gland in guinea pigs. Biul.MOIP. Otd.biol. 63 no.2:169 Mr-Ap '58 (MIRA 11:7)

(REGENERATION (BIOLOGY))
(PAROTID GLANDS)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEVA, A.G.

Regeneration of the parotid gland of rats. Biul. eksp. biol. i med. 50 no.10:113-118 O '60. (MIRA 14:5)

1. Iz laboratorii rosta i razvitiya (zav. - prof. L.D.Liozner) Instituta eksperimental'noy biologii (dir. - prof. I.N.Mayskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR V.V.Parinym.

(PAROTID GLANDS)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEVA, A.G.; BUGRILOVA, R.S.

Problem of regenerating rat parotid glands. Biul. eksp. biol. i med. 51 no.5:92-94 My '61. (MIRA 14:8)

1. Iz laboratorii rosta i razvitiya (zav. - prof. L.D.Liozner) Instituta eksperimental'noy biologii (dir. - prof. I.N.Mayskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR A.V.Lebedinskim.
(REGENERATION (BIOLOGY)) (PAROTID GLAND)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEVA, A.G.

Topography of salivary and lacrimal glands in rats. Biul. eksp. biol. i med. 54 no.12:114-115 D'62. (MIRA 16:6)

1. Iz laboratorii rosta i razvitiya (zav. - prof. L.D.Liozner) Instituta eksperimental'noy biologii (dir. - prof. I.N. Mayskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR N.N.Zhukovym-Vorezhnikovym.
(LACRIMAL ORGANS) (SALIVARY GLANDS)
(RATS AS LABORATORY ANIMALS)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

DOBROKHOTOV, V.N.; BABAYEVA, A.G.; KURDYUMOVA, A.G.

Mitotic activity of cells of the liver and the outer orbital gland in white rats. Dokl. AN SSSR 142 no.2:458-461 Ja '62. (MIRA 15:2)

1. Institut eksperimental'noy biologii AMN SSSR. Predstavleno akademikom A.N.Bakulevym.

(KARYOKINESIS)
(LIVER)
(LACRIMAL ORGANS)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

ACCESSION NR: AR[illegible] S/[illegible]/64/[illegible]/013/M016/M016

SOURCE: Ref. zh. Biologiya, Svodnyy tom, Abs. 13M102

AUTHOR: Chepov, P. N.; Puzz[illegible] A. V.; Zotikov, Ye. A.; Urinson, R. M.; Babayeva, A. I.

TITLE: Immunological reactivity of an animal-recipient to a kidney homotransplant

CITED SOURCE: Sb. 3 Vses. konferentsiya po peresadke tkaney i organov, 1963. Yerevan, 1963, 109-112

TOPIC TAGS: dog, kidney, homotransplantation, immunization, blood transfusion

TRANSLATION: Kidney homotransplantation was performed on 6 dogs after total exsanguinotransfusion. The attempt to produce tolerance for a kidney homotransplant in adult dogs by total exsanguinotransfusion or

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

Card 1/2

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

SUB CODE: LS ENCL: 00

Card 2/2

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEVA, A.G.

Restorative capacity of salivary and lacrimal glands in some mammals. Trudy MOIP. Otd. biol. 11:78-94 '64.

Compensatory hypertr hy and regeneration of the kidney in Bombina bombina. Ibid.:112-23 (MIRA 18:1)

1. Laboratoriya rosta i razvitiya Instituta eksperimental'noy biologii AMN SSSR.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

L 29319-65

ACCESSION NR: AR5006796 S/0299/65/000/001/M018/M018

SOURCE: Ref. zh. Biologiya. Svodnyy t. m, Abs. 1M98

AUTHOR: Babayeva, A. G.

TITLE: Compensatory hypertrophy and regeneration of kidneys in toads

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

TOPIC TAGS: toad, kidney, nephrectomy, nephron, hypertrophy, [illegible] hypertrophy, regenerative hypertrophy

[illegible] two series of experiments were staged [illegible]

[illegible]

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

Card 1/2

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

units in regeneration was considerably more markedly expressed than in

Card 2/2

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEVA, A.G.

Restorative processes in the kidneys of the amphibian Bombina bombina. Biul. eksp. biol. i med. 57 no.1:103-107 Ja '64. (MIRA 17:10)

1. Laboratoriya rosta i razvitiya (zav. - prof. L.D. Liozner) Instituta eksperimental'noy biologii (dir. - prof. I.N. Mayskiy) AMN SSSR. Predstavlena deystvitel'nym chlenom AMN SSSR A.V. Lebedinskim.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEVA, A.G.

Regenerative capacity of the submaxillary and parotid salivary glands in rats. Biul. eksp. biol. i med. 57 no.6:99-102 Je '64. (MIRA 18:4)

1. Laboratoriya rosta i razvitiya (zav. - prof. L.D.Liozner) Instituta eksperimental'noy biologii (dir. - prof. I.N.Mayskiy) AMN SSSR, Moskva.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABIYEVA, A.G. (Moskva)

Problems of regeneration of salivary and lacrimal glands in vitro. Usp. sovr. biol. 59 no.2:301-314 Mr-Ap '65. (MIRA 18:4)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

LIOZNER, L.D.; [illegible], A.G.; [illegible], G.V.

Regeneration and compensatory hyperplasia of the lungs in tadpoles. Fiziol. eksp. biol. i med. 5b no.3:[illegible] Mr '62.

(MIRA 18:2)

1. Iz laboratorii rosta i razvitiya (nav. - prof. L.D. Liozner) Instituta eksperimental'noy biologii (direktor - prof. I.I. Mayskiy) AMN SSSR, Moskva. Submitted May 17, 1962.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEVA, A.G.; LIOZNER, L.D. (Moskva, K-9, proyezd MKhATa, 2, kv.35)

Symposium "Controversial aspects of the regeneration theory." Arkh. anat., gist. i embr. 48 no.1:103-107 Ja '65. (MIRA 18:11)

1. Adres avtora: Moskva, D-57, Baltiyskiy pos. 13, Institut eksperimental'noy biologii AMN SSSR (for Babayeva). Submitted May 22, 1964.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

LIGNER, L.D.; BABAYEVA, A.G.; SIDAKOVA, V.F.

Ways of the regeneration of the pancreas in amphibians. Byul. eksp. biol. i med. 60 no. 10:96-99 O '65 (MIRA 19:1)

1. Laboratoriya rosta i razvitiya (zav. - prof. L.D. Ligner) Instituta eksperimental'noy biologii (direktor - prof. I.P. Maysakiy) AMN SSSR, Moskva. Submitted August 14, 1964.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

LIOZNER, L.D.; ARTEM'YEVA, N.S.; BABAYEVA, A.G.; ROMANOVA, L.K.; NYABININA, Z.A.; SIDOROVA, V.F.; KHARLOVA, G.V.

Level and 24-hour rhythm of mitotic activity in hypophysectomized rats. Biul. eksp. biol. i med. 54 no.8:77-81 Ag '62.
(MIRA 17:11)

1. Iz laboratorii rosta i razvitiya (zav. - prof. L.D. Liozner) Instituta eksperimental'noy biologii (dir. - prof. I.N. Mayskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR N.N. Zhukovym-Verezhnikovym.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

SOPRUNOV, F.F.; BABAYEVA, A.Kh.

Gravimetric method for determining the specific gravity of blood, plasma proteins, hemoglobin content and hematocrit values. Vop.med. khim. 2 no.6:452-456 N-D '56. (MLRA 10:3)

1. Turkmenskiy meditsinskiy institut, Ashkhabad.
(BLOOD
specific gravity determ., gravimetric method)
(BLOOD PROTEINS, determ
gravimetric method)
(HEMOGLOBIN, determ.
same)
(BLOOD CELLS
hematocrit, gravimetric method)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEVA, A. Kh. Cand Med Sci -- (diss) "The Dynamics of [redacted] Blood Indexes During the [redacted] Posthemorrhagic Period." Ashkhabad, 1957. 15 pp 22 cm. (Turk[redacted]men State Medical Inst im I. V. Stalin, Chair of Biochemistry), 220 copies (KL, 28-57, 111)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

USSR/Human and Animal Physiology - (Normal and Pathological). Blood. Blood Diseases. T-4

Abs Jour : Ref Zhur - Biol., No 11, 1958, 50745

Author : Babayeva, A.Kh.
Inst :
Title : The Restoration Process of Plasma Protein After a Single Massive Blood Loss, and Its Clinical Significance.

Orig Pub : Zdravookhr. Turkmenistana, 1957, No 1, 27-29.

Abstract : No abstract.

Card 1/1

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEVA, A.Kh.

Speed of the synthesis of protein fractions in blood plasma in in water-salt metabolism disorders. Zdrav. Turk. 5 no.4:3-8 Jl-Ag '61. (MIRA 14:10)

1. Iz instituta zoologii i parazitologii AN Turkmenskoy SSR (nauchnyy rukovoditel' - F.F.Sopruhov).
(SALT IN THE BODY) (WATER METABOLISM)
(BLOOD PROTEINS)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEVA, A.Kh.

Effect of overheating on the change in the concentration of sodium and potassium cations in the blood plasma of rabbits. Izv.AN Turk. SSR.Ser.biol.nauk no.3:52-55 '62. (MIRA 15:9)

1. Institut zoologii i parazitologii AN Turkmenskoy SSR.
(HEAT--PHYSIOLOGICAL EFFECT); (SODIUM IN THE BODY)
(POTASSIUM IN THE BODY)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEVA, A. M.

BABAYEVA, A. M. --"Dynamics of Photosynthesis in the Leaves of Tea Plants Under Different Growing Conditions."(*Dissertations For Degrees In Science and Engineering Defended at USSR Higher Educational Institutions)(29) Min Higher Education USSR, Azerbaijan State U imeni S. M. Kirov, Baku, 1955

SO: Knizhnaya Letopis' No 29, 16 July 1955

* For the Degree of Candidate in Biological Sciences

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEVA, A.M.

Effect of irrigation on photosynthesis of tea leaves under conditions prevailing in Lenkoran [in Azerbaijani with summary in Russian]. Dokl. AN Azerb.SSR 12 no.12:993-998 '56. (MLRA 10:8)

(Lenkoran District--Tea)
(Photosynthesis)
(Irrigation)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

ALI-ZADE, M.A.; RABAYEVA, A.M.

Effect of gibberellin on photosynthesis and respiration in leaves of the tea plant. Dokl. AN SSSR 142 no.2:478-480 Ja '62. (MIRA 15:2)

1. Nauchno-issledovatel'skiy institut zemledeliya Akademii sel'skokhozyaystvennykh nauk Azerbaydzhanskoy SSR. Predstavleno akademikom A.L.Kursanovym.

(Gibberellins)
(Tea)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEVA, A.M.

Mineralogy of the Bashlybel' copper deposit. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk no.5:33-38 '59 (MIRA 13:3)
(Babhlybel' region (Azerbaijan)--Mineralogy)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEVA, A.P.; SEYFER, A.I.

Automatic reference tool on the properties and use of steel and alloys on a non-iron base. NTI no.4:36-39 '64.
(MIRA 17:6)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

[illegible], [illegible], [illegible]

[illegible] cards for preserving and [illegible] on [illegible]. Metallized. [illegible]

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BARNYEVA, A.V.

PROCESSES AND PROPERTIES INDEX

Determination of combined sulfuric acid in the presence of chromium salts. E. A. NIKITINA AND A. V. BARNYEVA. *Trans. Inst. Pure Chem. Reagents* (Moscow) 10, 9-10(in German 20)(1930).—Several satisfactory methods for detg. SO_4^{--} in mixts. of sulfates and chromates of alkalies are here proposed, all being based on reduction of CrO_4^{--} to Cr^{+++}, and subsequent pptn. with $BaCl_2$. Best results were obtained by adding 30 cc. of 100% AcOH and 30 cc. of 40% CH$_2$O to the mixt. of the salts in soln. boiling 15 min. to pronounced green coloration, dilg. with ice cold water, and adding 1% $BaCl_2$ at first dropwise, and then 5-10 cc. of 10% $BaCl_2$ while stirring. After standing 16 hrs. $BaSO_4$ is filtered off and detd. CHAS. BLANC.

METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BARAYEVA, A.V.

BC

PROCESSES AND PROPERTIES INDEX

Determination of bound sulphuric acid in presence of chromium salts. E. A. NIKITINA and A. V. BARAJEVA (Trans. Inst. Pure Chem. Reag., 1931, 10, 30).—The determination of SO_3 in mixtures of $CrCl_3$ and alkali sulphates is satisfactory, using a cold 1% solution of $BaCl_2$. In the presence of chromates or dichromates a preliminary reduction is essential; precipitation with 1% $BaCl_2$ in the cold or with 1% $Ba(OAc)_2$ and warming is recommended.

E. S. HEDGES.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

EMELYEVA, A. V.

BC

Equilibrium in the system potassium di-[illegible] [illegible]. A. V. Rabovski and A. N. Baranov (Rus. Ind. Fine Chem. Bulletin, 1951, 11, 18-19). The isotherms for the above system at 0°, 20°, 40°, 60°, 80°, and 98° have been derived. R. Cornell.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

1ST AND 2ND AUTHORS

PROCESSES AND PROPERTIES INDEX

A-1

BC

[illegible] A. V. [illegible] (Trans. Inst. Pure Chem. [illegible] 1951, 11, 114—132).—The equilibrium data for 25°, 50°, and 75° indicate the formation of the salts $K_2SO_4,3KHSO_4$ and $K_2SO_4,5KHSO_4$. R. CUTHILL.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

RALAYEVA, A. V.

1a

6

Heteropoly compounds. IV. Borotungstates and metatungstates. A. V. Raloyski and A. V. Balaeva. *J. Gen. Chem.* (U. S. S. R.) 3, 50-66(1933); *C. A.* 27, 2365. For the detn. of the character of H_2O in borotungstates and metatungstates the salts were gradually dehydrated over H_2SO_4 of definite concn. in a desiccator (van Bemmelen). The tabulated results show the existence of crystallohydrate regions. Thus in $5BaO \cdot B_2O_3 \cdot 24WO_3 \cdot xH_2O$ I region corresponds to a content of H_2O from 13.35 to 12.83%, and the other from 10.07 to 0.24%, while $5K_2O \cdot B_2O_3 \cdot 24WO_3 \cdot xH_2O$ showed 1 region with 0.57-0.22% H_2O. $BaO \cdot 4WO_3 \cdot xH_2O$ (I) showed 2 regions with 13.78 to 10.68% H_2O. The results of hydration and dehydration of I indicate similar processes typical of adsorption compds., requiring further study to obtain exact data.

Chas. Blanc

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

CHEMYEVA, A. V.

PROCESSES AND PROPERTIES OF

2

Equilibrium in the system nickel chloride-hydrochloric acid-water. A. V. Babaeva and T. A. Archakova. *J. Gen. Chem.* (U. S. S. R.) 5, 216-19(1935).—The soly. of $NiCl_2$ in aq. HCl was studied at 20° and 80°. At 20°, in the HCl concn. interval 0-21.2%, there is only one solid phase, $NiCl_2.6H_2O$; above 21.2%, only $NiCl_2.4H_2O$ crystallizes out. At 80°, in the interval 0-20.2 HCl concn., only $NiCl_2.4H_2O$ crystallizes out. At both temps. soly. of $NiCl_2$ decreases markedly with increase of HCl concn.

S. L. Madorsky

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAEVA, A.V.

PROCESSES AND PROPERTIES INDEX

2.

Solubility of potassium fluotantalate in aqueous solutions of hydrofluoric acid. A. V. Babaeva and L. L. Kirichko-Gurvich. *J. Gen. Chem.* (U. S. S. R.) 5, 220-3 (1935).—The soly. of K_2TaF_7 was studied at 0°, 20° and 80° in aq. H_2F_2 solns. in concns. of 0.105–28.366, 0.214–38.157 and 2.170–32.610%, resp. The soly. of K_2TaF_7 increases with the concn. of H_2F_2, the increase being greater the higher the temp. S. L. Madorsky

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BAEHEVA, A. I.
BC

U-1

Equilibria in the system $NiSO_4$-H_2SO_4-H_2O. A. V. Baeheva and E. I. Daniluschkina (Sci. Rep. Moscow State Univ., 1936, No. 6, 49—54).—The solid phases in systems containing <68% H_2SO_4 are $NiSO_4$,2, 6, and $7H_2O$, at 0—80°. In addition, the metastable hydrates $NiSO_4$,4 and $5H_2O$ are formed at 40°. R. T.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEVA, A.V.

BC

G-1

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

Vapour pressure of the binary mixtures (A) $PbCl_2 + CuCl_2$ and $ZnCl_2 + CuCl_2$, (B) $ZnCl_2 + PbCl_2$, in an atmosphere of chlorine. D. N. TARASENKOV and A. V. BABAEVA (J. Gen. Chem. Russ., 1956, 26, 306—310, 311—314).—(A) The v.p. of $PbCl_2$ at 500—700° in a Cl_2 atm. is > in N_2. Dissociation of $CuCl_2$ in Cl_2 at 760 mm. becomes evident at 520°. The partial pressure of $CuCl_2$ in the systems $CuCl_2$–$PbCl_2$ and –$ZnCl_2$ is at a max. for 1 : 1 mixtures.

(B) V.-p. data are recorded for $ZnCl_2$ and for the system $ZnCl_2$–$PbCl_2$ in a stream of Cl_2, at 399°, 516°, and 604°.

R. T.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEVA, A.V.

2

Equilibrium in the system: sodium chlorate sodium sulfate water. A. V. Babaeva. *J. Gen. Chem.* (U. S. S. R.) 6, 1144-6(1936).—The equil. in the system: $NaClO_3$-Na_2SO_4-H_2O, obtained in the production of $NaClO_3$ by oxidation of $NaClO_3$ with H_2SO_4, was studied by the method of Meyerhoffer and Senders. The solid phases are $Na_2SO_4.10H_2O$ and $NaClO_3$ at 0° and 20°, and Na_2SO_4 and $NaClO_3$ at 40°. Chas. Blanc

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BRODYEVA, A.V.

CA

6

PROCESSES AND PROPERTIES INDEX

The oxidation of cis and trans nonelectrolytes of bivalent platinum by nitric acid. I. I. Chernyaev and A. A. Babaeva. *Izv. Sektora Platiny, Inst. obshch. neor. Khim.* (U. S. S. R.) No. 13, 59-71(1938); cf. C. A. 26, 2131. The formation of nitritonitrates when bivalent Pt nonelectrolytes are treated with concd. HNO_3 proceeds through formation of intermediate OH compds. which react further with the HNO_3 to give the final product. When H_2O is present, migration of the internal substituents occurs. The reaction for cis and trans nonelectrolytes is the same, but the *trans*-nitritonitrates which are formed are less subject to hydrolysis than the corresponding cis compds.

H. M. Leicester

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABAYEVA, A.V.

Oxidation of cis-nonelectrolytes of bivalent platinum by means of sulfuric acid. A. V. Babaeva. *Bull. acad. sci. U. R. S. S., Classe sci. math. nat.* [illegible] 1937, No. 1, 25-32 (in German 32).— Chugaev and Chernyaev (*C. A.* 23, 5427) discovered that oxidation of complex compds. of Pt by means of $(NH_4)_2SO_4$ yielded compds. of trivalent Pt of the type A_2X_2OH Pt, where A is an amine and X the acid group. Chernyaev and A. V. Babaeva (*C. A.* 31, 1318[6]) established the formation of hydroxy derivs. of trivalent Pt by means of oxidation of complex compds. with concd. HNO_3. In the present work concd H_2SO_4 was employed as the oxidant. The oxidation with H_2SO_4 proceeds according to the hydroxidation type. Ammonia and ethylenediamine derivs. in the cold yield monohydroxy derivs. of trivalent Pt. Warming with an excess of acid causes widespread oxidation through combination in the transposition of 2 hydroxyl groups. The pyridine compds. are not oxidized in contact with H_2SO_4.

W. A. Cook

METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6

BABACYA, A. V.

3

CK

Absorption spectra of complex platinum compounds A. V. Babacya. *Compt. rend. acad. sci. U. R. S. S.* 20, 305-8(1938)(in English).—The absorption of solns. of tetrammine platinous chloride and of its substitution products, in which acid radicals replace ammonia, was studied between 3000 and 4000 A. The magnitude of the charge of the central atom does not affect the character of the spectrum, nor does isomerism. Conclusion: The spectra are influenced not only by the central atom and its surrounding groups, but also by the spatial arrangement of the complex and by the character of the bonds between the central atom and the groups. John R. Vance

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102820002-6"