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Order from SIA \$2.60

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DESCRIPTORS: *Heterocyclic compounds, Sulfur com-
pounds, Rhodanine compounds, *Thioacetamide,
Chemical reactions, Amines.

(Chemistry - Organic, TT, v. 9, no. 4)

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POLYVINYL ALCOHOL SERIES HIGHLY RESISTANT
TO HOT WATER
K. K. K., tr. 14 Jan 64, 13p
Order from OTS, SLA, or BTC \$1.60 TT-64-13574

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no. 31-9492, 6 Nov 56, appl. 25 Oct 52 as no. 27-16910,
c. 26 B 131 (42 D 2) (25 H 3) by Kanegafuchi Boseki
Kabushiki Kaisha.

DESCRIPTORS: *Polyvinyl alcohol, Plastics, Fibers
(Synthetic), *Molding materials, Manufacturing
methods, *Heat resistant plastics, Water.

(Materials--Plastics, TT, v. 11, no. 9)

- I. Ueda, K.
- II. Tsuchidaira, Y.
- III. Matsuoka, K.
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A COMBINED SYSTEM OF AGITATED VESSELS AND
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62-16046

Trans. of [Nihon Nogei-Kagakkai Shi (Japan) 1958,
v. 32, p. 26-29].

DESCRIPTORS: Food, *Carbohydrates, Fermentation,
Yeasts, Alcohols, Containers, Pipes.

An improved set of equipment for the agitated-vessel
process was devised, to be used for continuous alcoholic
fermentation. This apparatus is a compromise between
the agitated-vessel and the pipe process. This im-
proved apparatus is 1.8 times more efficient than the
re-use and the two-vessel methods; this figure agrees
with the theoretical value. (Author)
(Food, TT, v. 9, no. 3)

62-16046

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POLYMER COMPOSITION OF COMMERCIAL LACTIC
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DESCRIPTORS: *Lactic acid, *Polymers, Separation,
*Chromatographic analysis, Impurities.

Partition chromatography was conducted according to
R. Montgomery's method (J. Am. Chem. Soc.
74: 1466, 1952), and it was seen that the polymers in
lactic acid water solution could be determined more or
less completely. The polymer composition of edible
grade lactic acid demonstrated 57 ~ 62% monomer,
20 ~ 23% dimer, 4 ~ 7.5% trimer, and trace ~ 7%
tetramer, and total acidity was 87 ~ 93%. The lactic
(Chemistry, TT, v. 10, no. 11) (over)

63-18904

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III. Okuda, T.
IV. Studies ...

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p. 371-374.

DESCRIPTORS: *Condiments, Taste, *Lactic acid,
*Polymers, Solutions, Hydrolysis, Chemical equilib-
rium.

Changes of lactic acid polymers when edible grade
lactic acid (87, 20%) was diluted to various concentra-
tions with distilled water were examined. When left at
room temperature, at 5% concentration the trimer ex-
isted for at least 30 days and even after 40 days still
a fairly large amount of dimer existed, and equilibrium
(Food, TT, v. 10, no. 12)

63-18905

I. Ueda, R.
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III. Title: Studies . . .

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THE ADSORPTION BEHAVIOR OF NONIONIC SURFACE-
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Order from ATS \$16.00 ATS-88Q69J

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DESCRIPTORS: *Adsorption, *Surface-active
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(Chemical--Physical, TT, v. 10, no. 6)

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- I. Ueda, S.
- II. Watanabe, A.
- III. Tsuji, F.
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The Dependence of the Percentage of Voids on
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CONDUCTANCE OF LIGNIN SULFONATES IN
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Order from SLA \$2.60 62-18726

Trans. of Nihon Nogei-Kagakkai Shi (Japan) 1961,
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DESCRIPTORS: *Electrical conductance. *Lignin,
*Sulfonates, Sodium compounds, Solvents, Solutions,
Ethanol, Physical chemistry.

Conductivity of sodium lignin sulfonate (NaLS) was
measured using ethanol-water mixed solvent as a
medium. When the concentration of NaLS is a low,
Kohlrausch's law can be applied; and the ultimate
value, Λ° , at zero concentration can be obtained by
extrapolating the curve correlating the equivalent con-
(Chemistry--Physical, TT, v. 9, no. 12) (over)

62-18726

I. Ueda, S.
II. Watanabe, A.
III. Tsuji, F.
IV. Title: Physico-Chemical..

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61-12090

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2. Synthetic fibers--Processing
- I. Uedaira, H.
- II. ATS-02M45J
- III. Associated Technical
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Parasite, by K. Uehara.

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