

D. [REDACTED]

[REDACTED]

[REDACTED]

A. [REDACTED]

[REDACTED]

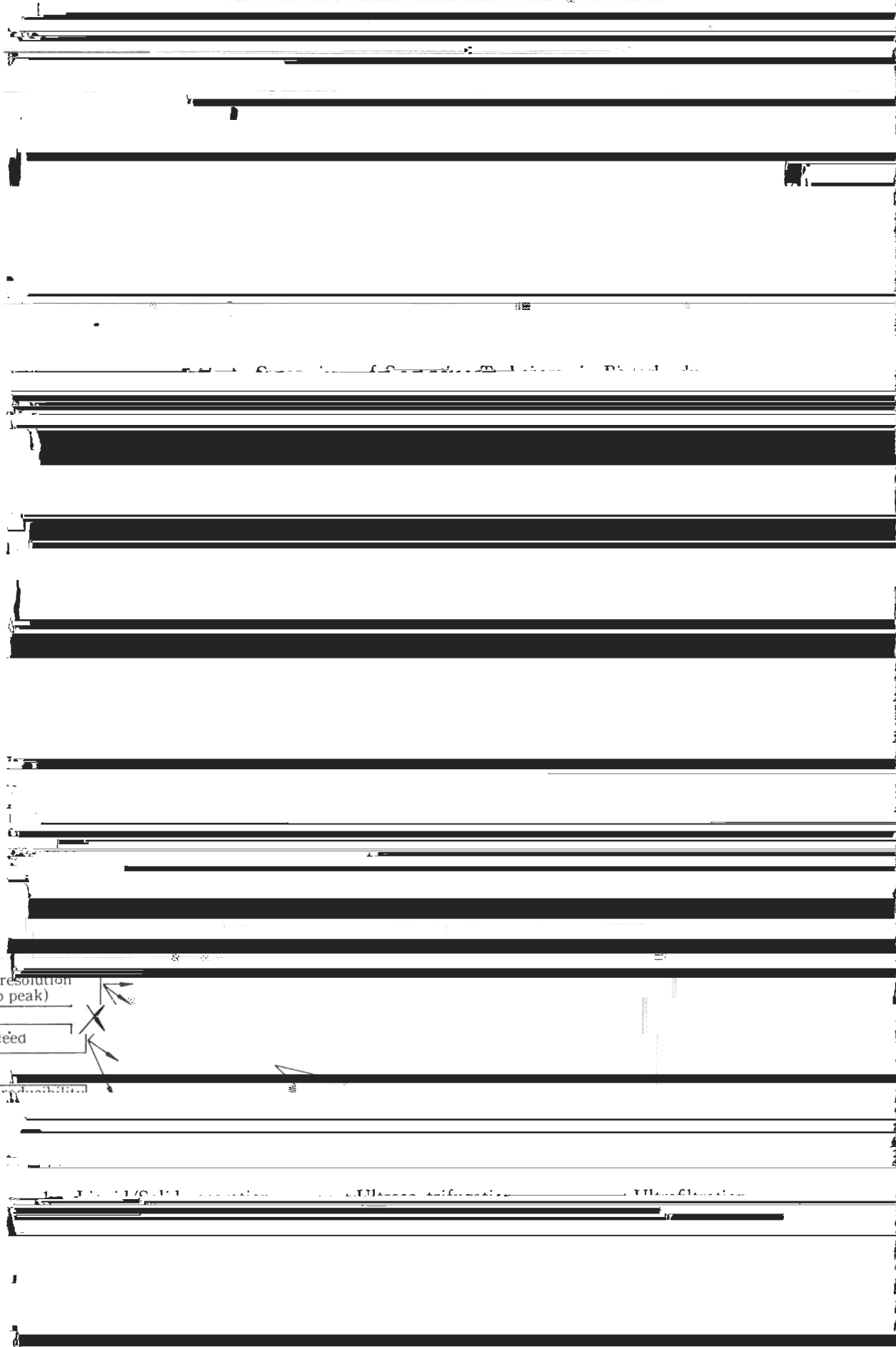
[REDACTED]

[REDACTED]

Kivoaki SAKAMOTO

[REDACTED]

[REDACTED]



High resolution
(sharp peak)

High speed

High resolution

12

2,400 L

2,660g

* Column

or alternative

1. 100% MeOH
2. 100% MeOH
3. 100% MeOH
4. 100% MeOH
5. 100% MeOH
6. 100% MeOH
7. 100% MeOH
8. 100% MeOH
9. 100% MeOH
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11. 100% MeOH
12. 100% MeOH
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83. 100% MeOH
84. 100% MeOH
85. 100% MeOH
86. 100% MeOH
87. 100% MeOH
88. 100% MeOH
89. 100% MeOH
90. 100% MeOH
91. 100% MeOH
92. 100% MeOH
93. 100% MeOH
94. 100% MeOH
95. 100% MeOH
96. 100% MeOH
97. 100% MeOH
98. 100% MeOH
99. 100% MeOH
100. 100% MeOH

rate.

More

TSK G3000LW

TSK G2000LW

TSK G5000PW

particle size. Pressure drop increases with increasing particle size.

[REDACTED]

d) Column life: There is a tendency that columns will

[REDACTED]

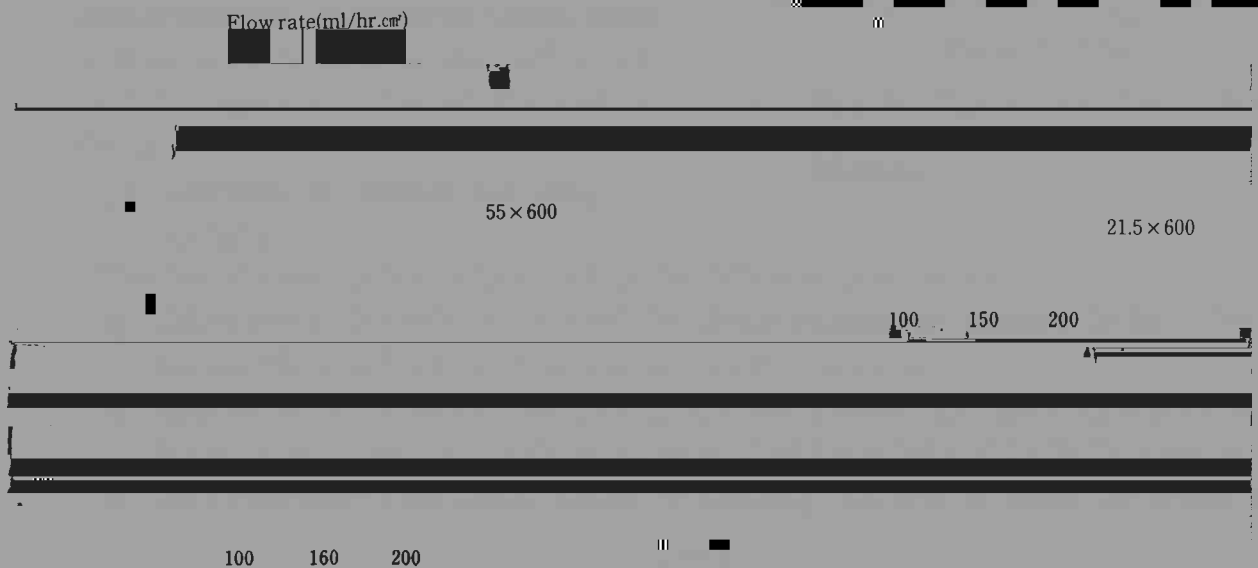
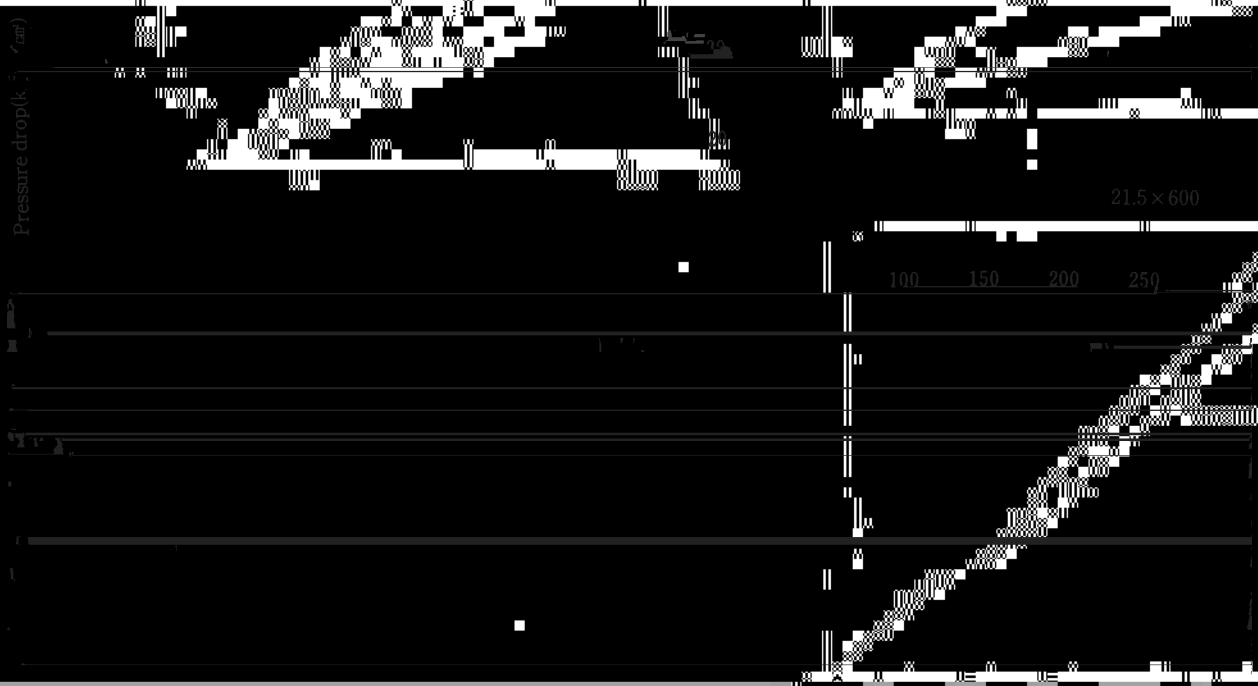
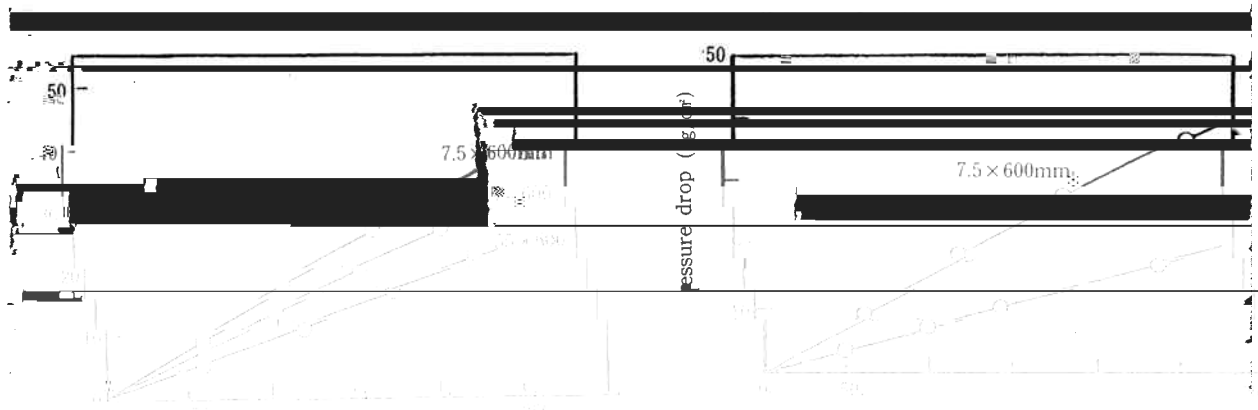
Table 7. Specifications of TSK Columns for Determination of PCBs

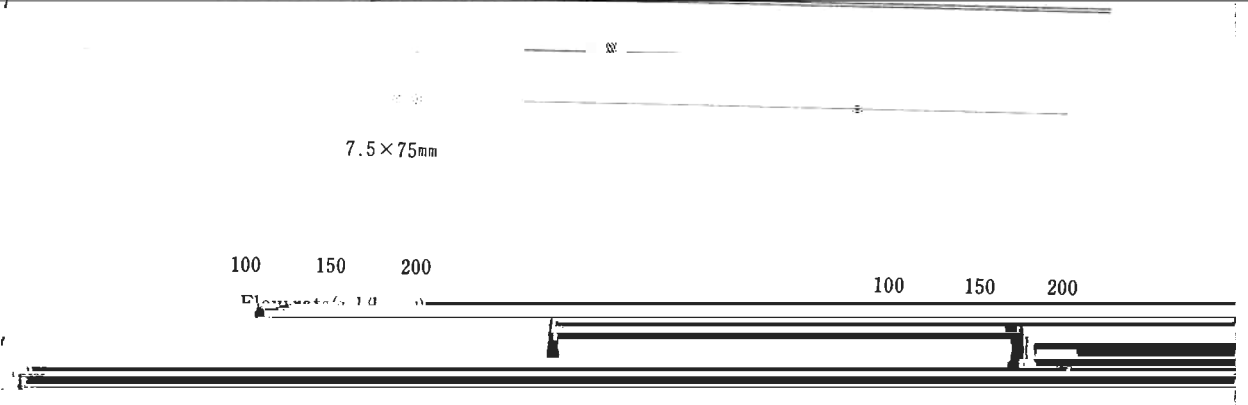
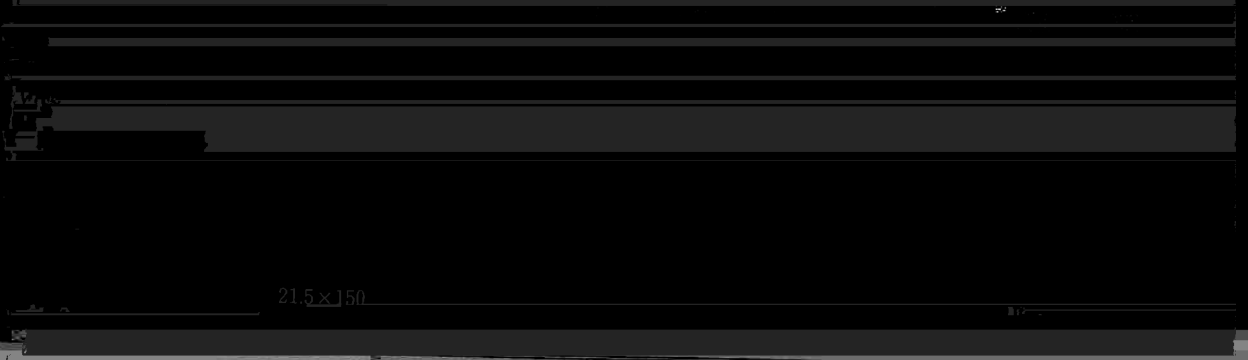
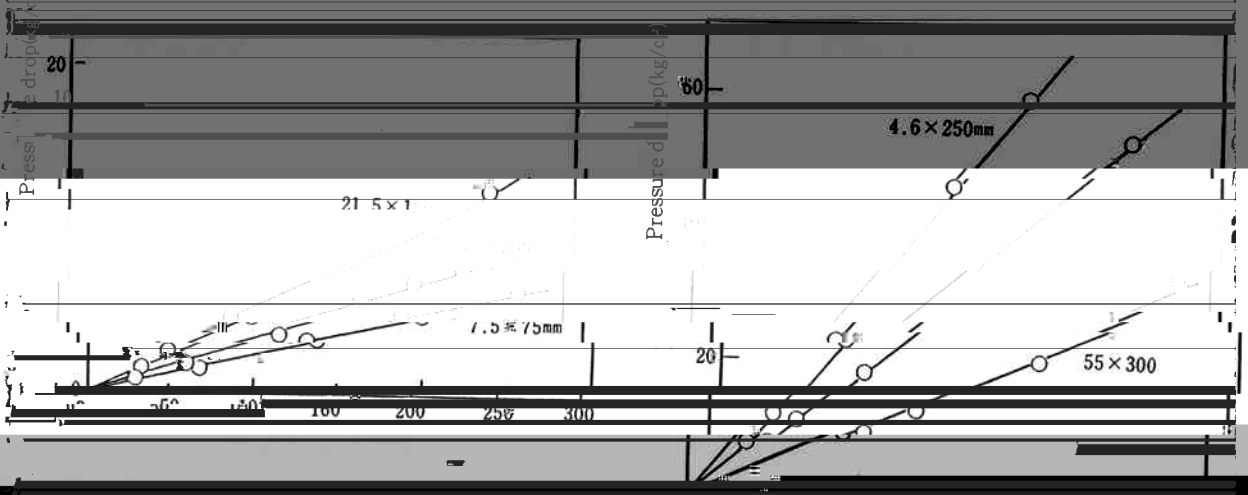
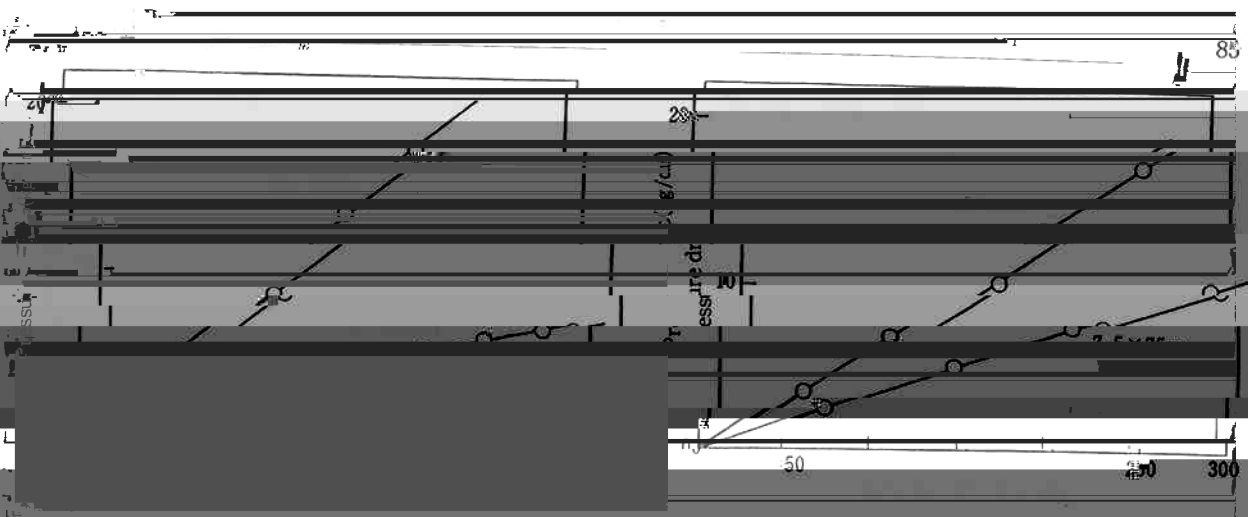
Column No.	Column Name	Length (cm)	Inner Diameter (mm)	Stationary Phase	Mobile Phase	Flow Rate (ml/min)	Temperature (°C)
1	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
2	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
3	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
4	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
5	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
6	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
7	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
8	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
9	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
10	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
11	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
12	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
13	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
14	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
15	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
16	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
17	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
18	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
19	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
20	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
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22	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
23	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
24	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
25	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
26	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
27	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
28	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
29	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
30	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
31	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
32	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
33	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
34	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
35	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
36	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
37	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
38	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
39	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
40	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
41	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
42	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
43	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
44	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
45	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
46	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
47	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
48	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
49	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40
50	TSK 1080	150	4.6	TSK 1080	Hexane	1.0	40



(A) (B) (B) (C)









1.0.05M PR

Lysozyme

96%

92%

94%

95%

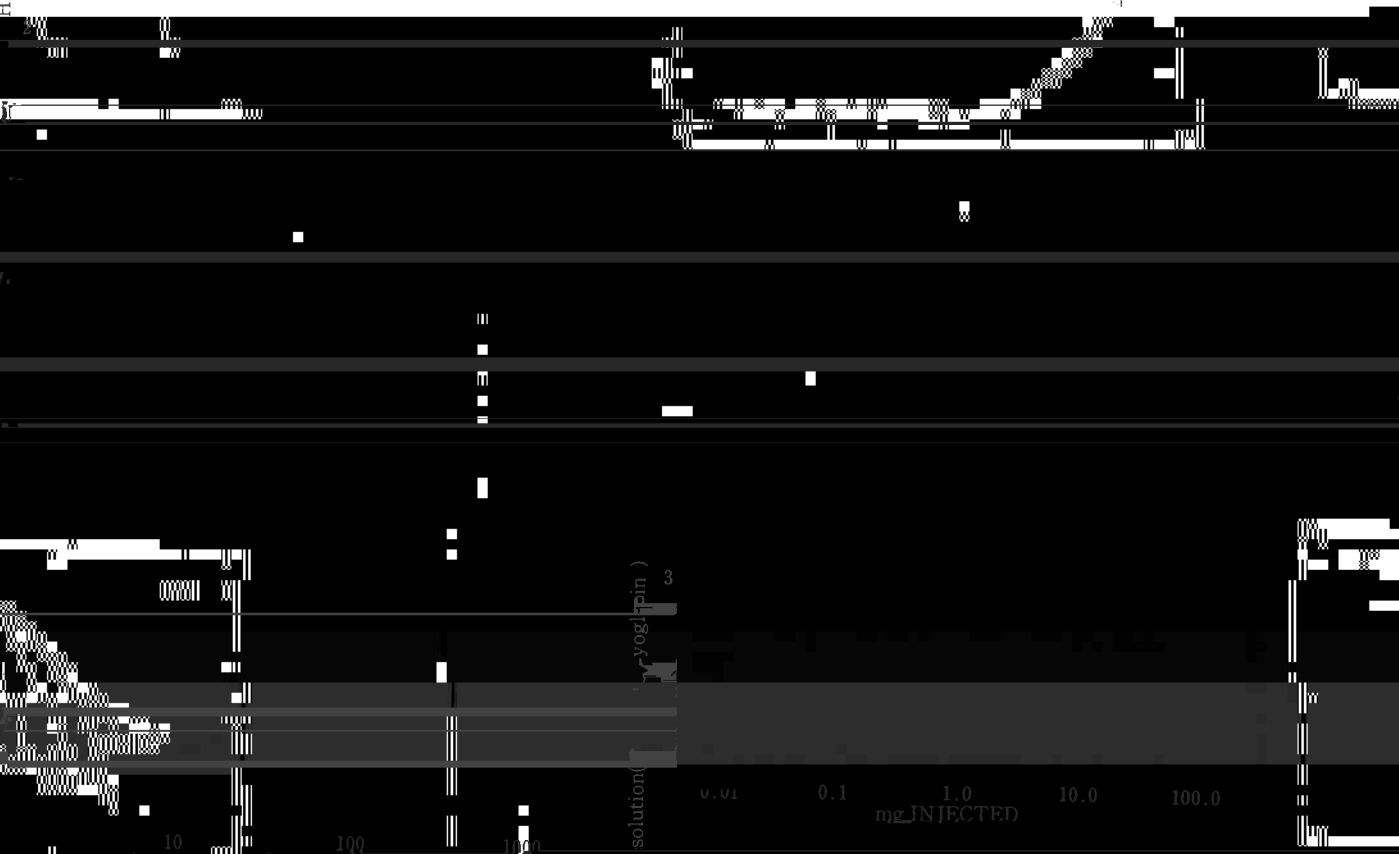
AE-5PW
pplied to
0.02M
rbes pi
buffer

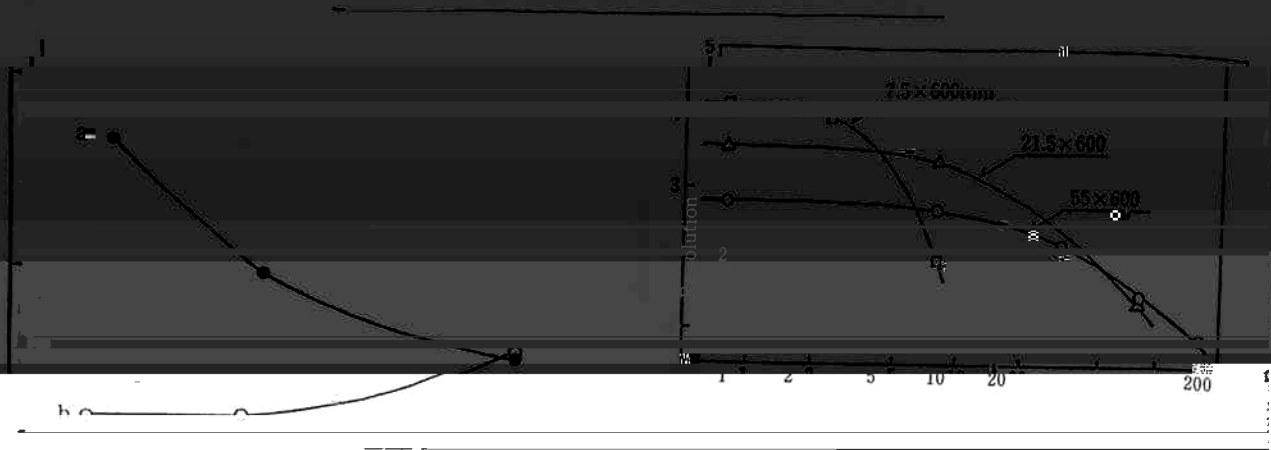
p-5PW
osphate
in wss
PH 6.0)

er
at
he

AE-5PW

HPLC (min)





H

1
0.5
50 100
Weight of sample mg.RSA /cm²

Solution
3
2

G-1

Size

small

Peptide

Table 12. Column Selection Guidelines (continued)

GFC

GFC

GFC

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that this is crucial for ensuring transparency and accountability in the organization's operations.

2. The second part of the document outlines the various methods and tools used to collect and analyze data. It highlights the need for consistent and reliable data collection processes to support informed decision-making.

3. The third part of the document focuses on the role of technology in modern data management. It discusses how advanced software solutions can streamline data collection, storage, and analysis, leading to more efficient and accurate results.

4. The fourth part of the document addresses the challenges associated with data management, such as data quality, security, and privacy. It provides strategies to mitigate these risks and ensure the integrity and confidentiality of the organization's data.

5. The fifth part of the document concludes by summarizing the key findings and recommendations. It stresses the importance of ongoing monitoring and evaluation to ensure that the data management processes remain effective and aligned with the organization's goals.

6. The sixth part of the document provides a detailed overview of the data management framework. It includes a flowchart illustrating the data flow from collection to analysis and reporting, ensuring that all stakeholders have a clear understanding of the process.

7. The seventh part of the document discusses the importance of data governance. It outlines the roles and responsibilities of various departments in ensuring that data is managed in a consistent and compliant manner.

8. The eighth part of the document provides a list of key performance indicators (KPIs) used to measure the effectiveness of the data management processes. These KPIs include data accuracy, data completeness, and data timeliness.

9. The ninth part of the document includes a section on data security. It details the measures taken to protect the organization's data from unauthorized access, loss, or damage, including the use of encryption and access controls.

10. The tenth part of the document concludes with a final summary and a call to action. It encourages all employees to take ownership of their data and contribute to the overall success of the organization's data management efforts.

11. The eleventh part of the document provides a list of references and sources used in the research. It includes books, articles, and online resources that provide additional information on data management and analytics.

12. The twelfth part of the document includes a list of appendices. These appendices contain supplementary information, such as data collection forms, sample reports, and detailed descriptions of the data management tools used.

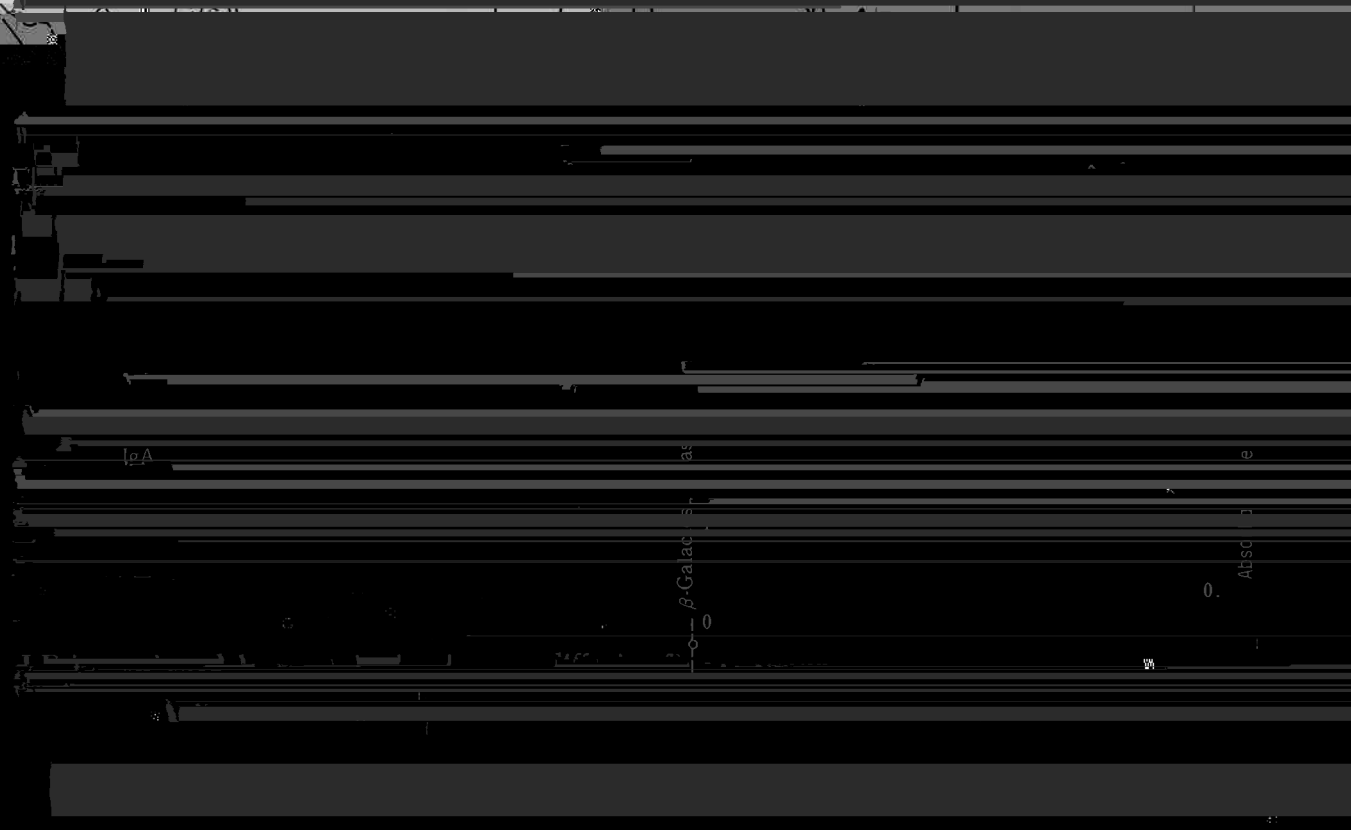
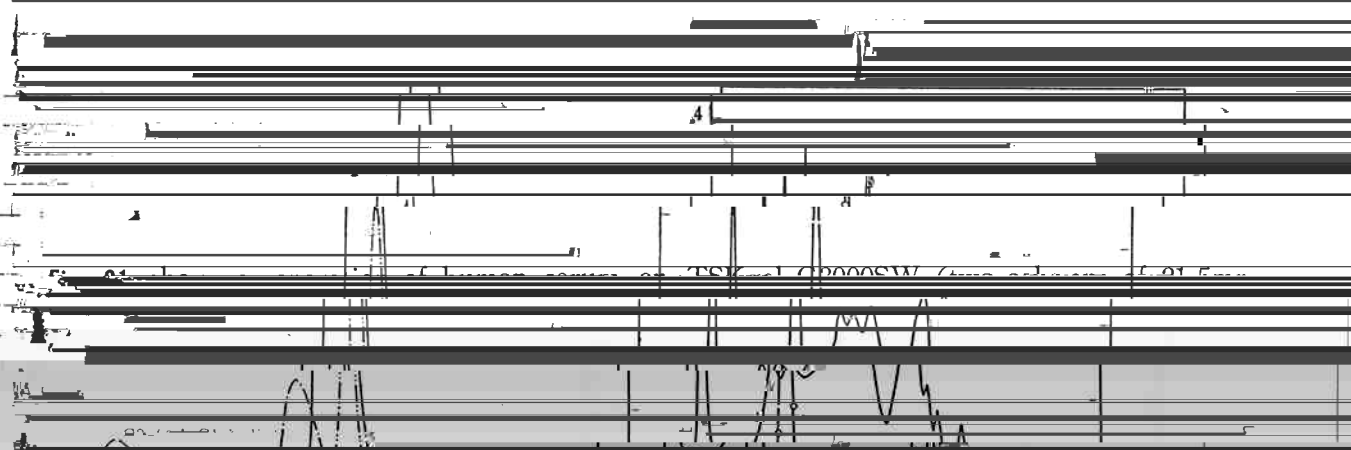
13. The thirteenth part of the document provides a list of contact information for the authors and the organization. It includes email addresses and phone numbers for further inquiries or feedback.

14. The fourteenth part of the document includes a list of acknowledgments. It expresses gratitude to the individuals and organizations that provided support and assistance during the research and writing process.

15. The fifteenth part of the document provides a list of terms and conditions. It outlines the legal and ethical considerations related to the use of the document and the data it contains.

acid α -Glycoprotein
 β 15 Glycoprotein

51)



10A

β -Galactosidase

Absorbance

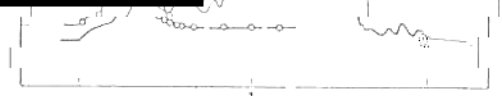
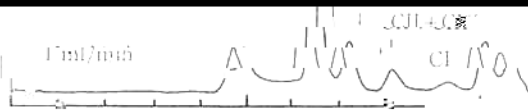


Fig. 20 and 21. Inverse patterns of commercial enzymes and enzyme β -galactosidase on TSK-1

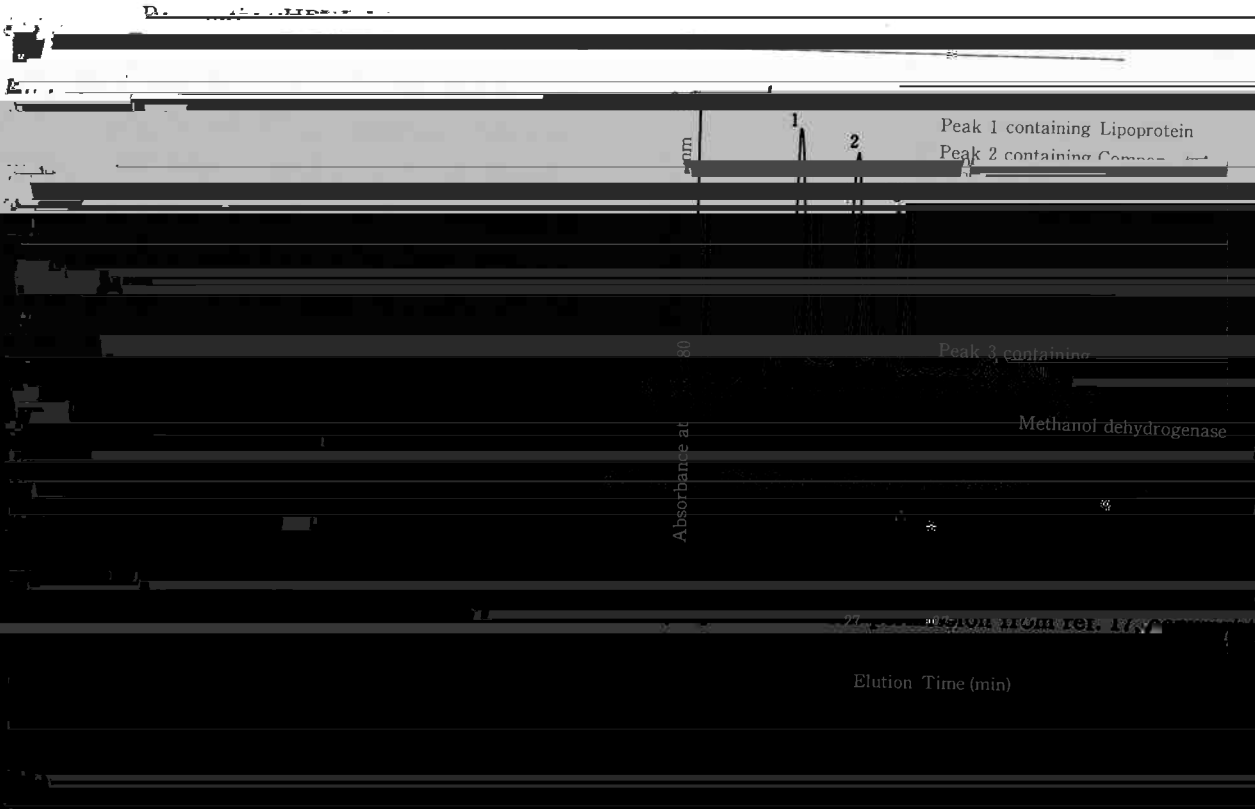
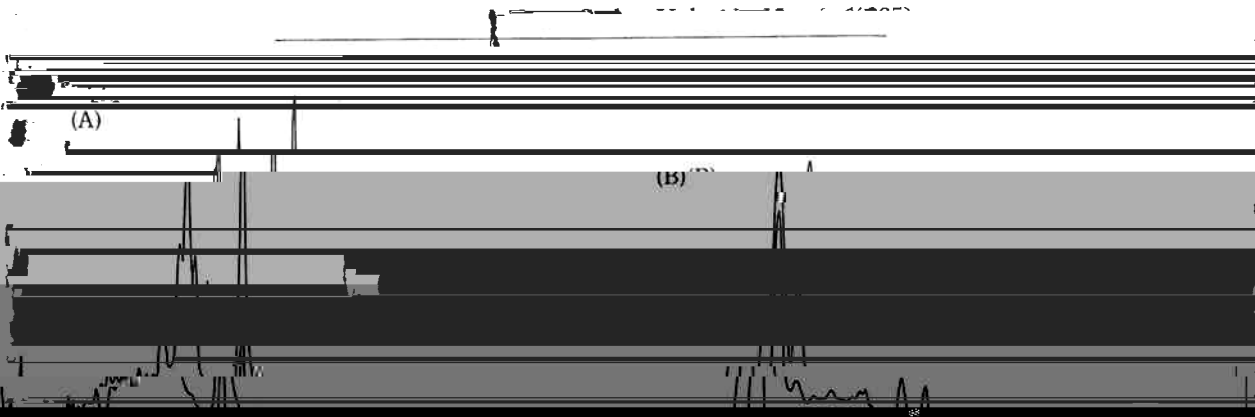


Fig. 24 shows the effect of α -





Grade 50 Steel

