



ANALISIS POR DIFRACCION DE RAYOS X DE 22 MUESTRAS DE LA
DIRECCION DE GEOLOGIA.

Se ha efectuado de cada una de las muestras:

- 1) Difractograma de Roca total (TODO UNO)
- 2) Difractograma de la fracción inferior a 2 (AGREGADO ORIENTADO).

El Agregado Orientado se ha sometido a las pruebas de

- a) Hinchamiento por tratamiento con Etilenglicol en la fase de vapor.
- b) Tratamiento térmico a 550°C durante 2 horas

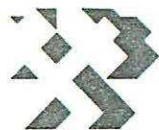
En las Tablas siguientes se dan los resultados obtenidos, con las siguientes precisiones:

- 1) Térmico Paligorskita (?) se indica cuando se observa un espaciado sin definir alrededor de los 10,5Å, lo que podría ser indicativo de la presencia de Paligorskita ó tratarse de una MICA poco cristalizada.
- 2) Cuando los feldespatos son de tipo Plagioclasas y Potásicos se indican como Feldespatos. Si solo se observan potásico se expresan como Feldespat.Potas.



ANALISIS POR DIFRACCION DE RAYOS X DE 27 MUESTRAS ENVIADAS POR
GEOLOGIA, PERTENECIENTES A VILLAR DEL CIERVO (10-20).

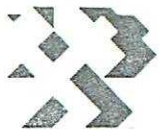
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<u>MUESTRA</u>	<u>M.PRINCIPAL</u>	<u>M.SECUNDARIOS</u>	<u>ACC.Y TRAZAS</u>	<u>CONTENIDO</u>	<u>M.PRINCIPAL</u>	<u>ACC.Y TRAZAS</u>
0101	CUARZO	----	FELDESPATOS, CALCITA, DOLOMITA.	MEDIO	ESMECTITA	MICA
0102	CUARZO	----	FELDESPATOS, DOLOMITA, CALCITA.	MEDIO	ESMECTITA	MICA CAOLIN
0103	CUARZO	----	FELDESPATOS, DOLOMITA, CALCITA.	BAJO (MEDIO)	ESMECTITA	MICA
0104	CUARZO	-÷+-	FELDESPATOS, DOLOMITA, CALCITA.	BAJO	MICA	---
0201	CUARZO	----	FELDESPATOS, DOLOMITA, CALCITA.	MEDIO (BAJO)	ESMECTITA	MICA
0202	CUARZO	-----	FELDESPATOS, DOLOMITA, CALCITA.	MEDIO	ESMECTITA	MICA
0301	CUARZO	----	FELDESPATO POTASICO, DOLOMITA.	BAJO	MICA	---
0302	CUARZO	----	FELDESPATOS, DOLOMITA	MEDIO	ESMECTITA, CAOLIN	MICA
0303	CUARZO	----	FELDESPATO P. DOLOMITA, CALCITA.	BAJO	MICA	—



Instituto Tecnológico
GeoMinero de España

FRACCION ARCILLA

<u>MUESTRA</u>	<u>M.PRINCIPAL</u>	<u>M.SECUNDARIOS</u>	<u>ACC.Y TRAZAS</u>	<u>CONTENIDO</u>	<u>M PRINCIPAL</u>	<u>ACC Y TRAZAS</u>
0304	CUARZO	----	FELDESPATOS, DOLOMITA, CALCITA.	----	---	---
0401	CUARZO	----	FELDESPATOS	MEDIO (ALTO)	ESMECTITA	MICA CAOLIN
0402	CUARZO	----	FELDESPATOS, DOLOMITA, CALCITA.	MEDIO	ESMECTITA	MICA
0403	CUARZO	----	FELDESPATOS, DOLOMITA	MEDIO	ESMECTITA	MICA
0404	CUARZO	FELDESPATOS	-----	MEDIO (ALTO)	ESMECTITA	MICA CAOLIN
0405	CUARZO	----	FELDESPATOS, DOLOMITA	MEDIO	ESMECTITA	MICA CAOLIN
0406	CUARZO	----	FELDESPATOS, DOLOMITA, CALCITA.	MEDIO (BAJO)	ESMECTITA MICA	CAOLIN
0407	CUARZO	----	FELDESPATOS, DOLOMITA	MEDIO	ESMECTITA MICA	CAOLIN
9001	CUARZO	----	FELDESPATO P. DOLOMITA, CALCITA.	BAJO	CAOLIN, MICA	---
9002	CUARZO	----	FELDESPATO P. DOLOMITA, CALCITA.	MEDIO (BAJO)	CAOLIN ESMECTITA MICA.	----
9004	CUARZO	----	FELDESPATOS	MEDIO	CAOLIN HALLOYSITA	ESMECTITA MICA
9005	CUARZO	----	FELDESPATO	----	-----	---

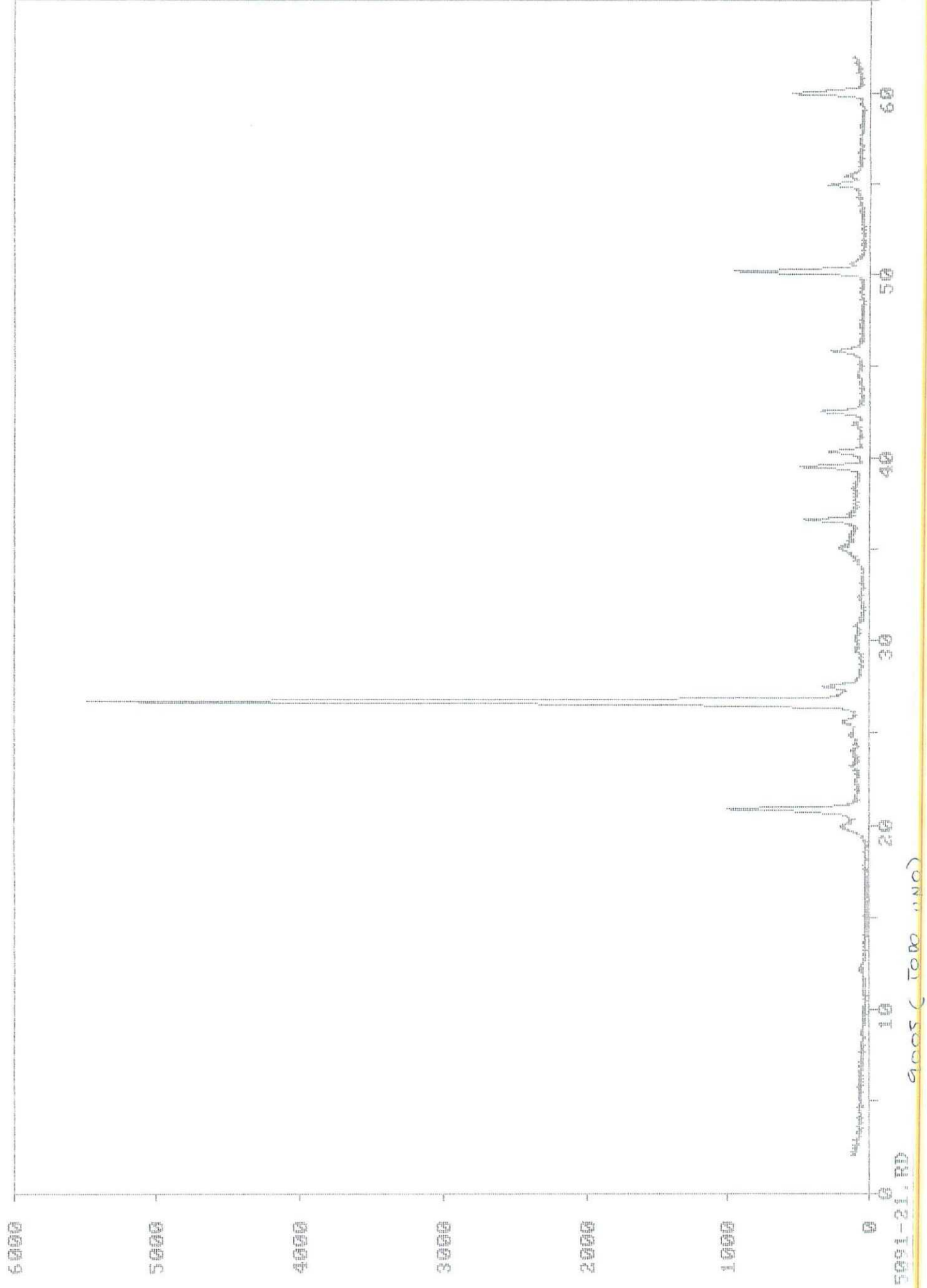


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FRACCION ARCILLA

<u>MUESTRA</u>	<u>M.PRINCIPAL</u>	<u>M.SECUNDARIOS</u>	<u>ACC.Y TRAZAS</u>	<u>CONTENIDO</u>	<u>M.PRINCIPAL</u>	<u>ACC Y TRAZAS</u>
9020	CUARZO	----	FELDESPATO, DOLOMITA	MEDIO	MICA, CAOLIN	CLORITA
9021	CALCITA	CUARZO, DOLOMITA	-----	BAJO	MICA	CAOLIN
9022	CUARZO	CALCITA	FELDESPATO	MEDIO (ALTO)	MICA	CAOLIN
9023	CUARZO	CALCITA, DOLOMITA	----	BAJO	MICA	---
9024	CUARZO	YESO, DOLOMITA, <u>CAL</u> CITA.	FELDESPATO	MEDIO	MICA	---
9025	CALCITA	CUARZO	DOLOMITA	BAJO	MICA	---

Madrid, 22 de Enero de 1991



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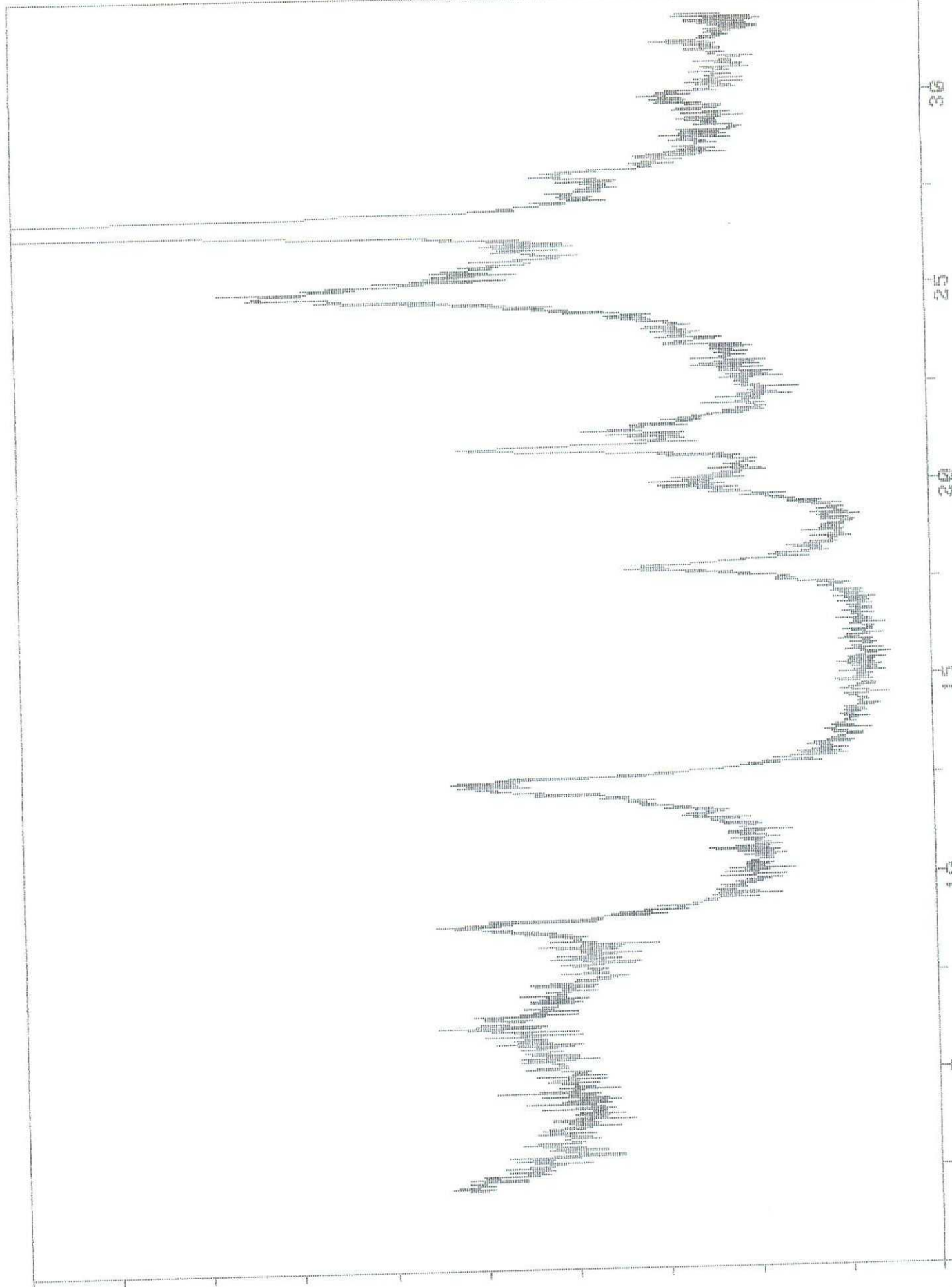
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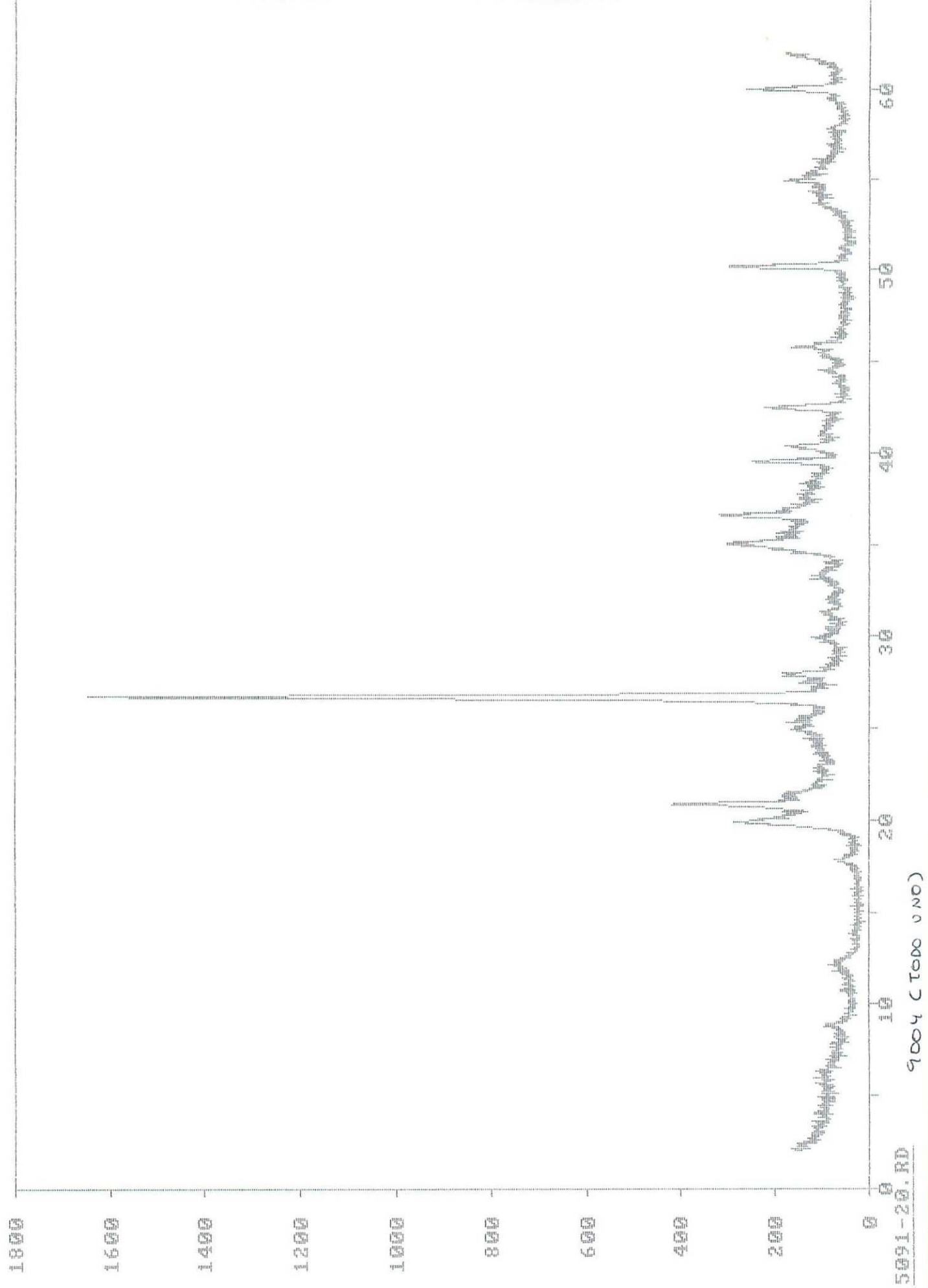
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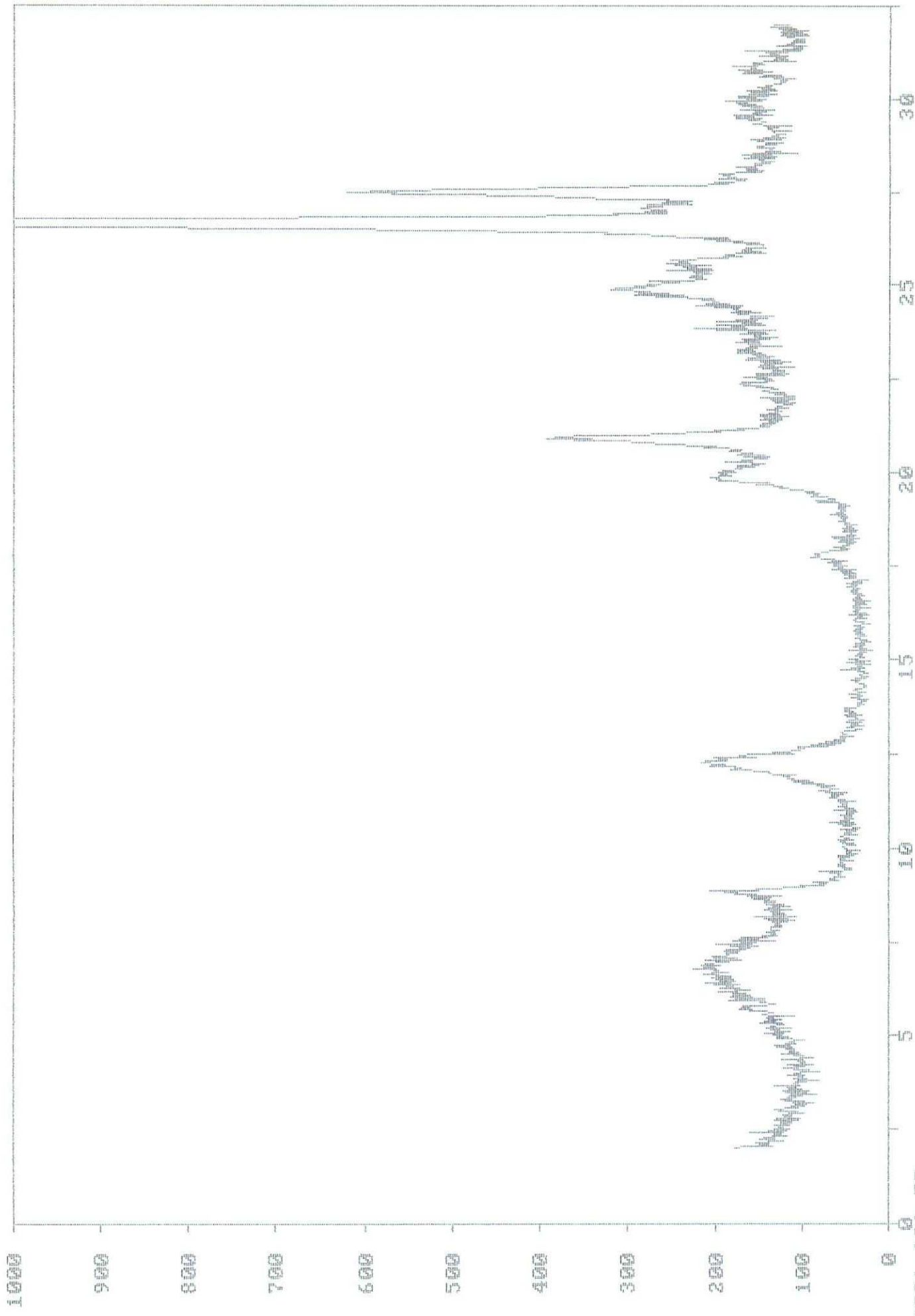
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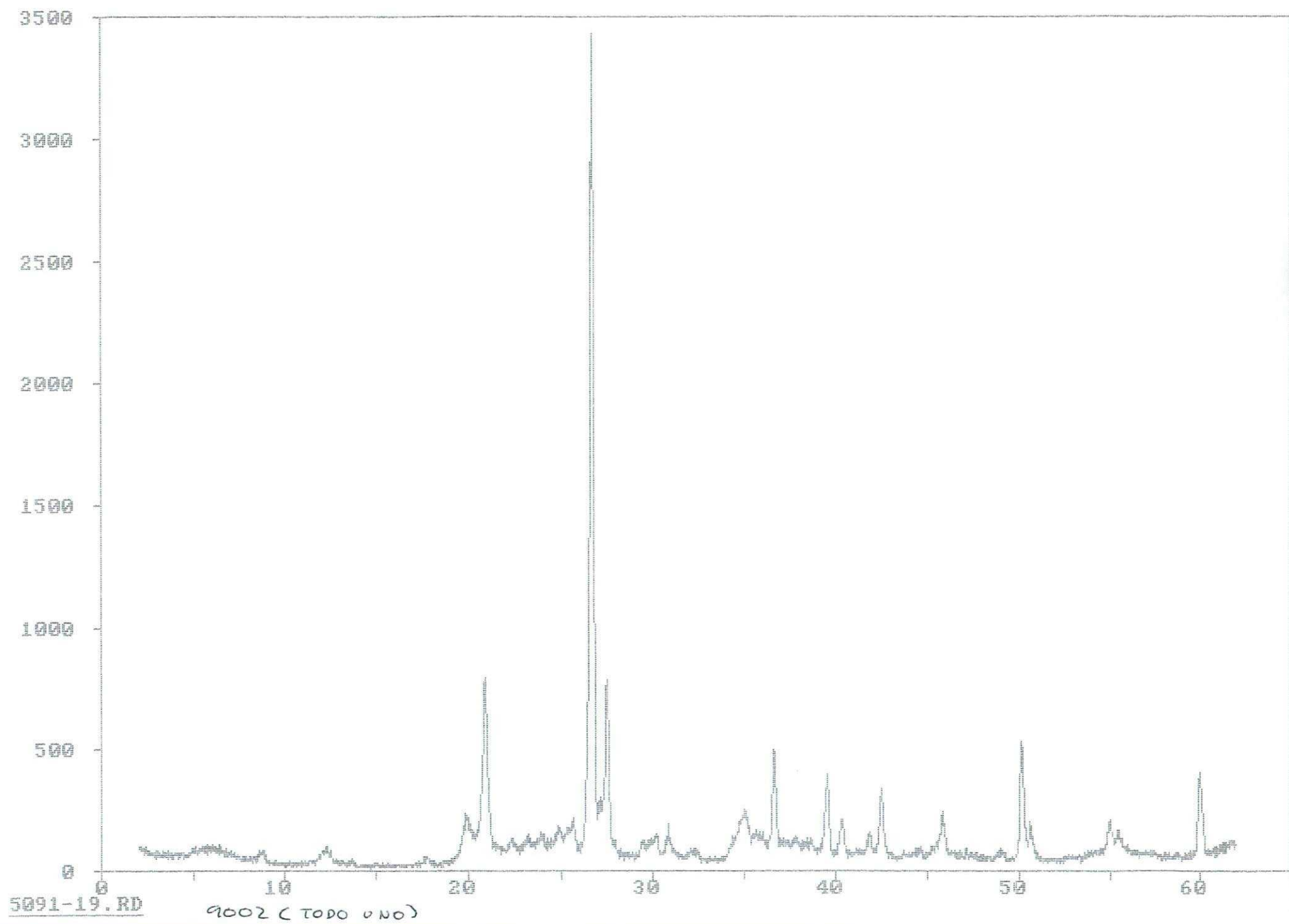


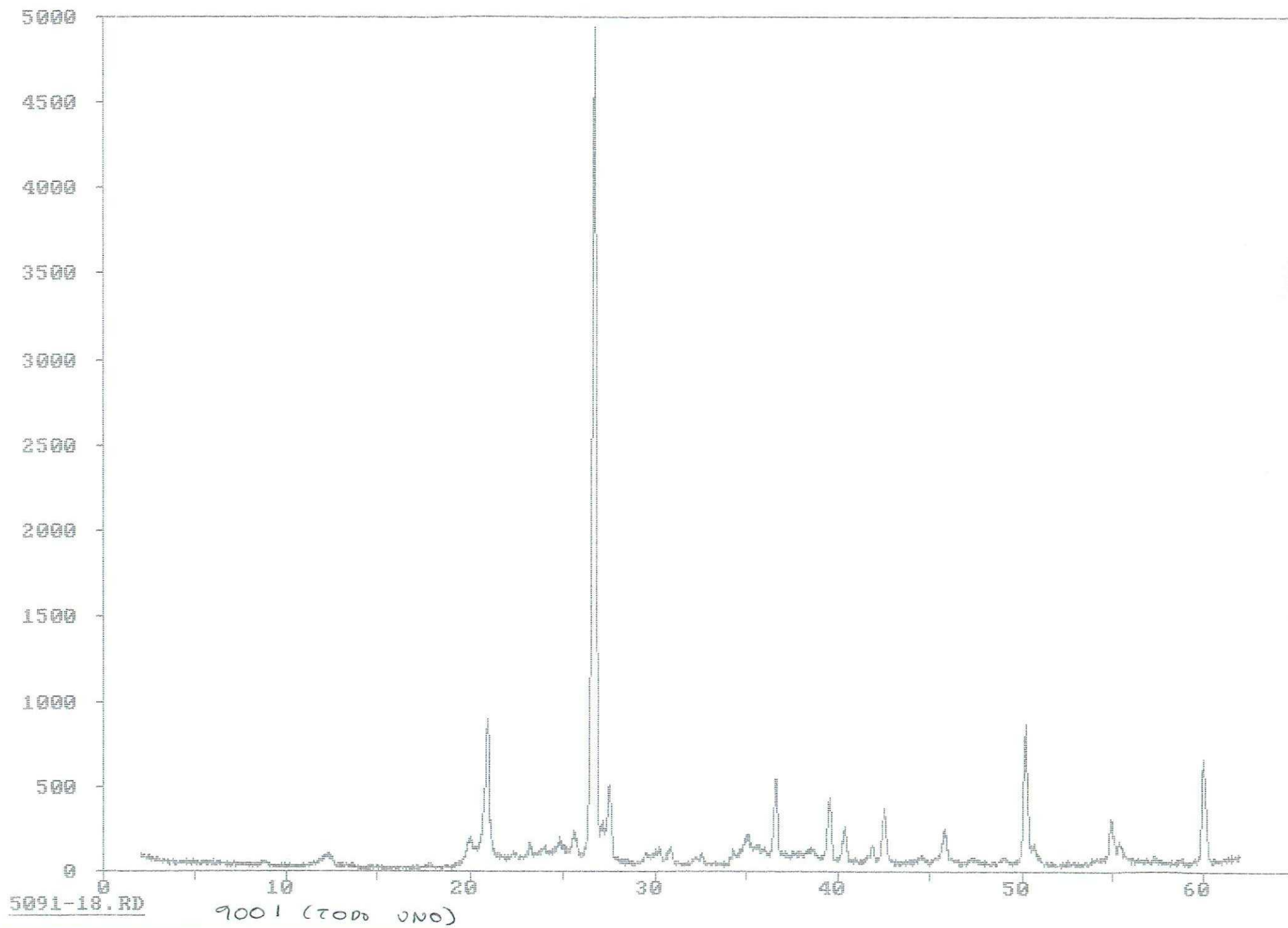
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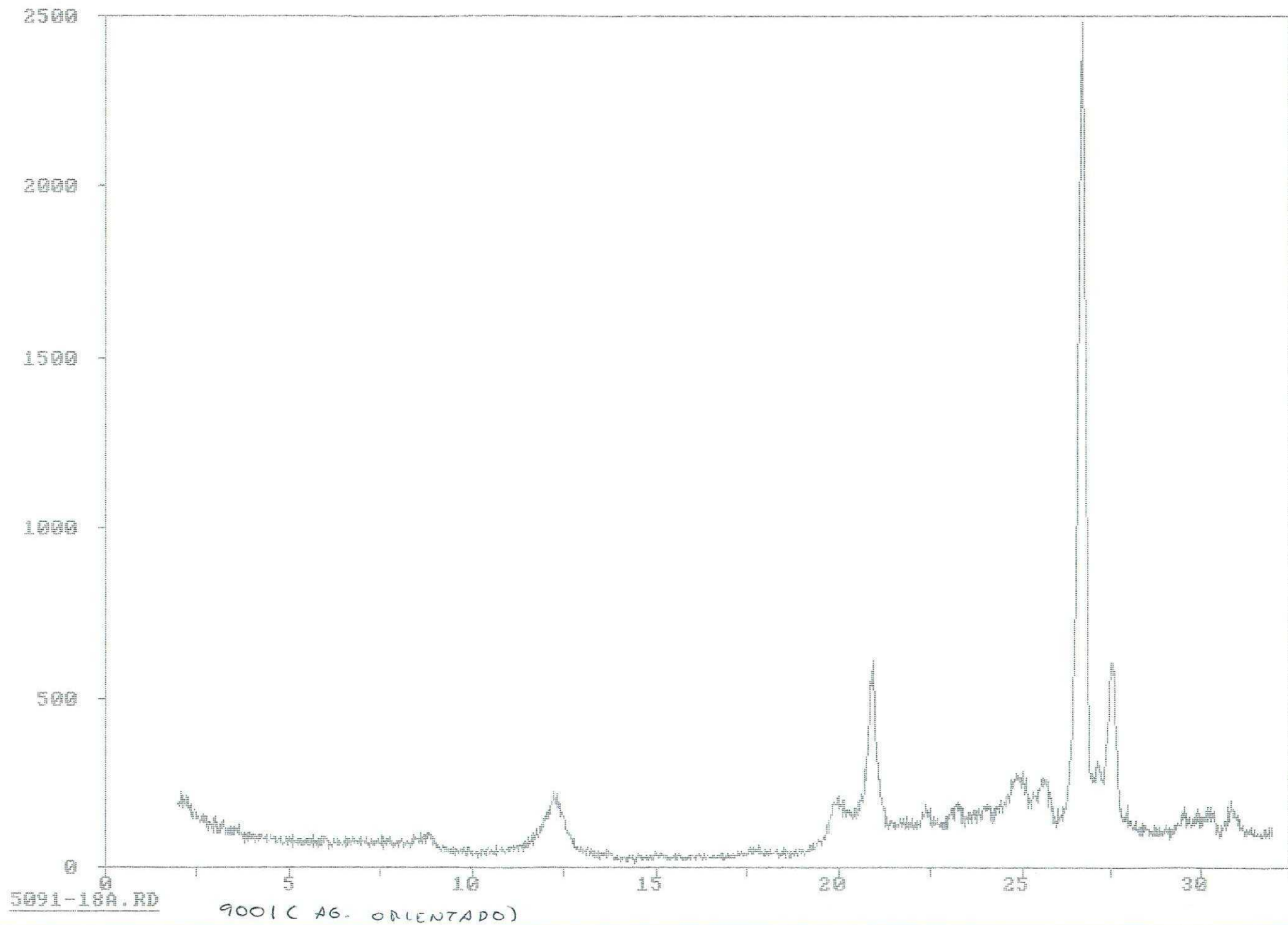


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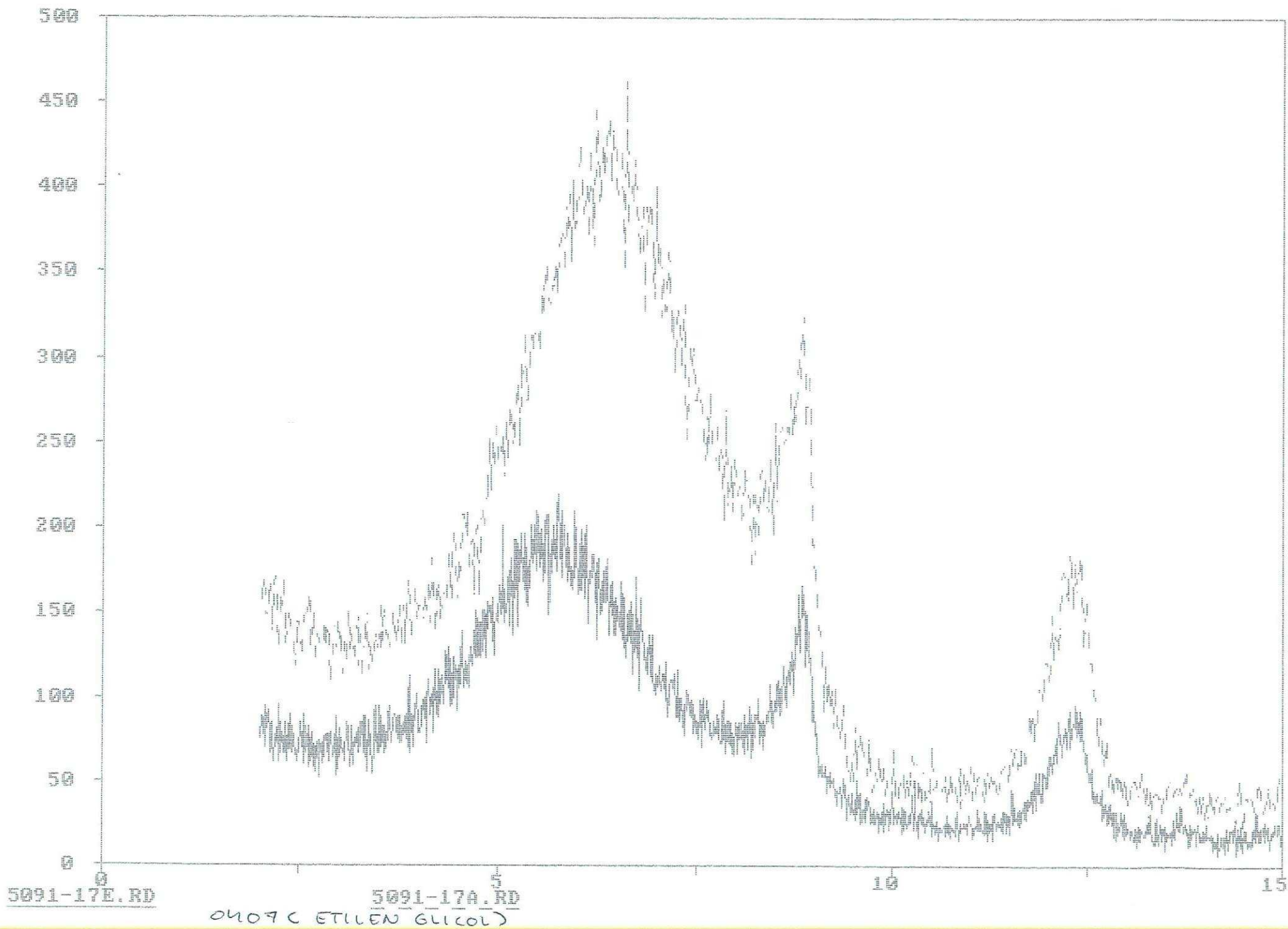
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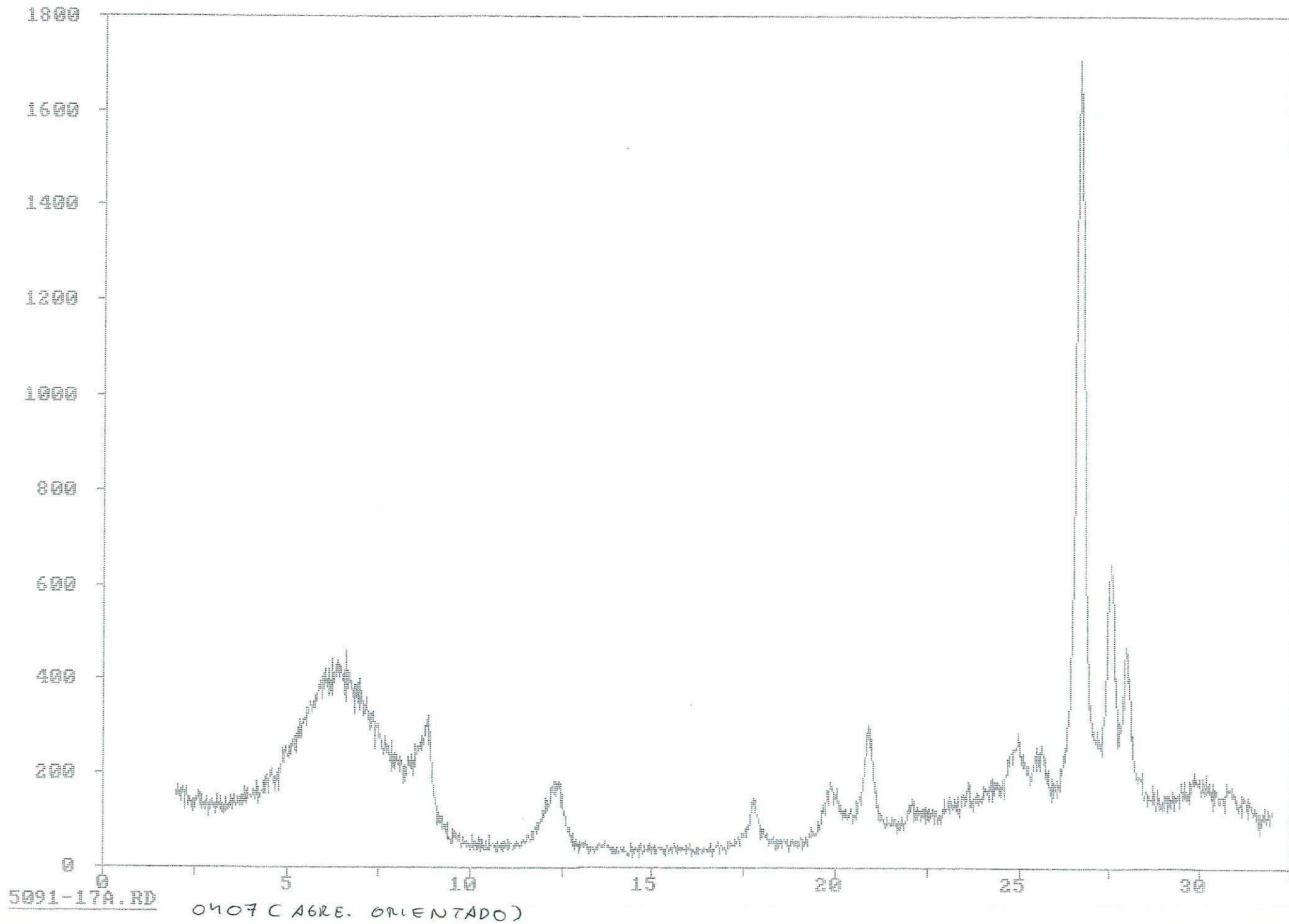
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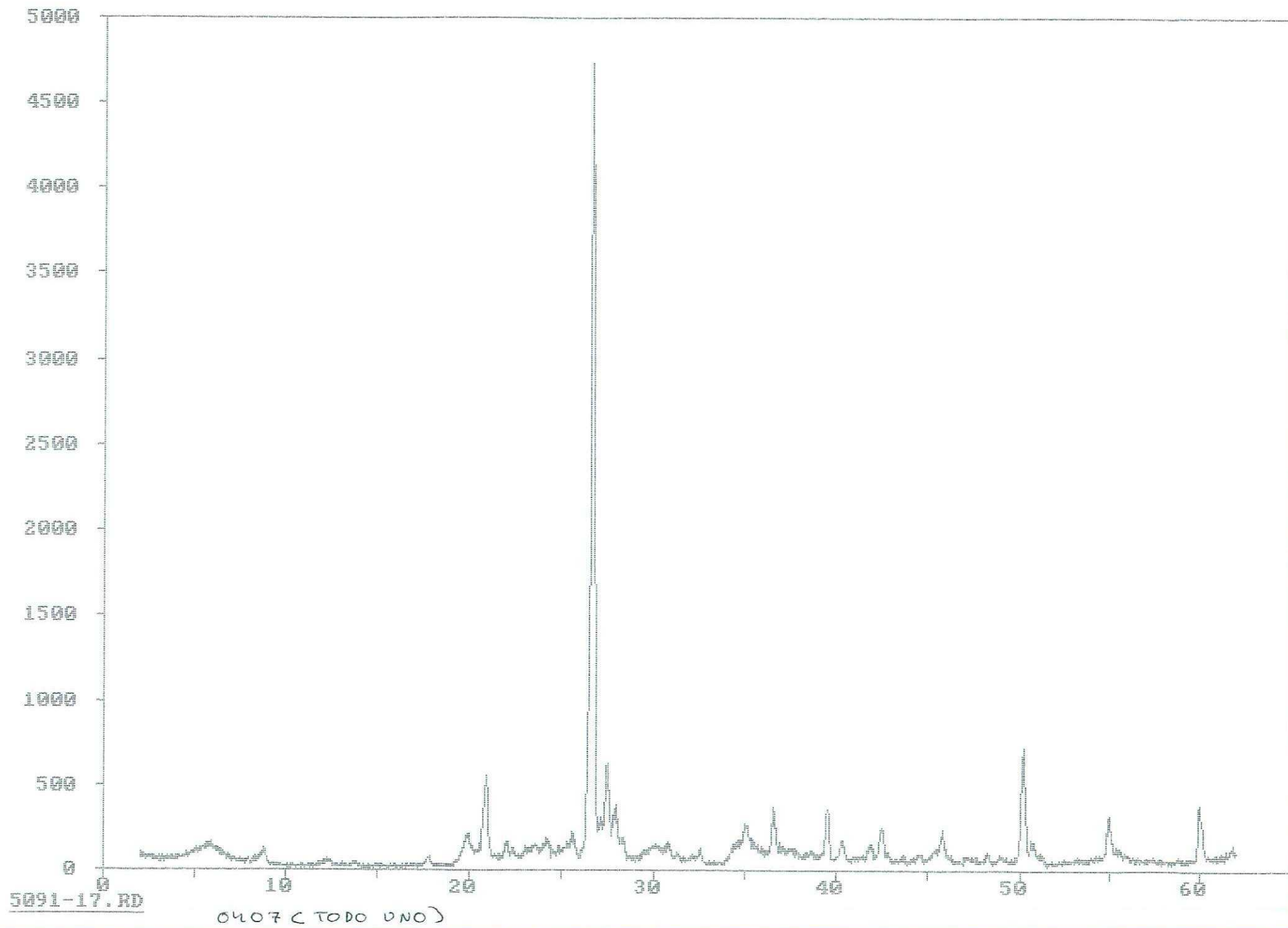
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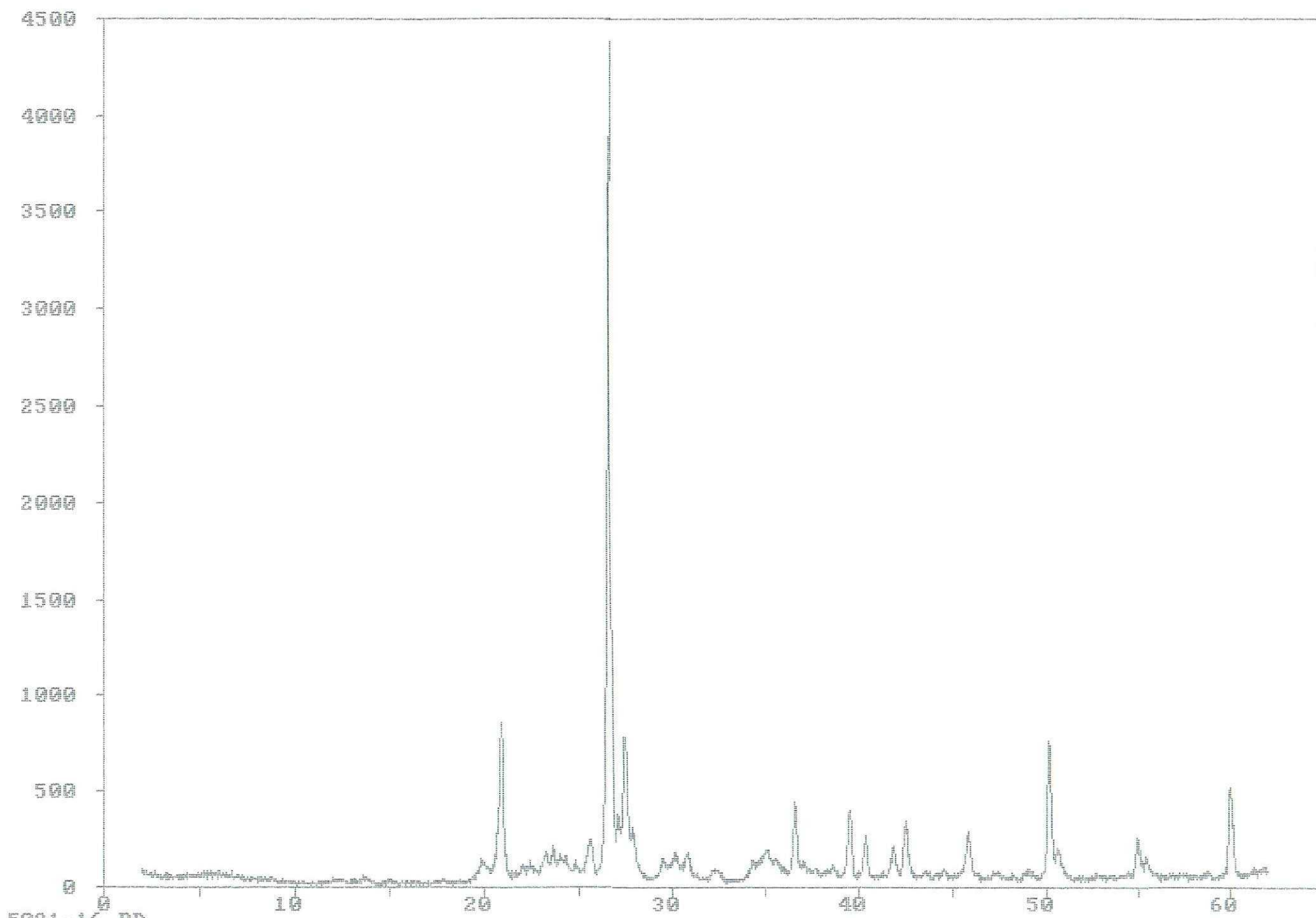
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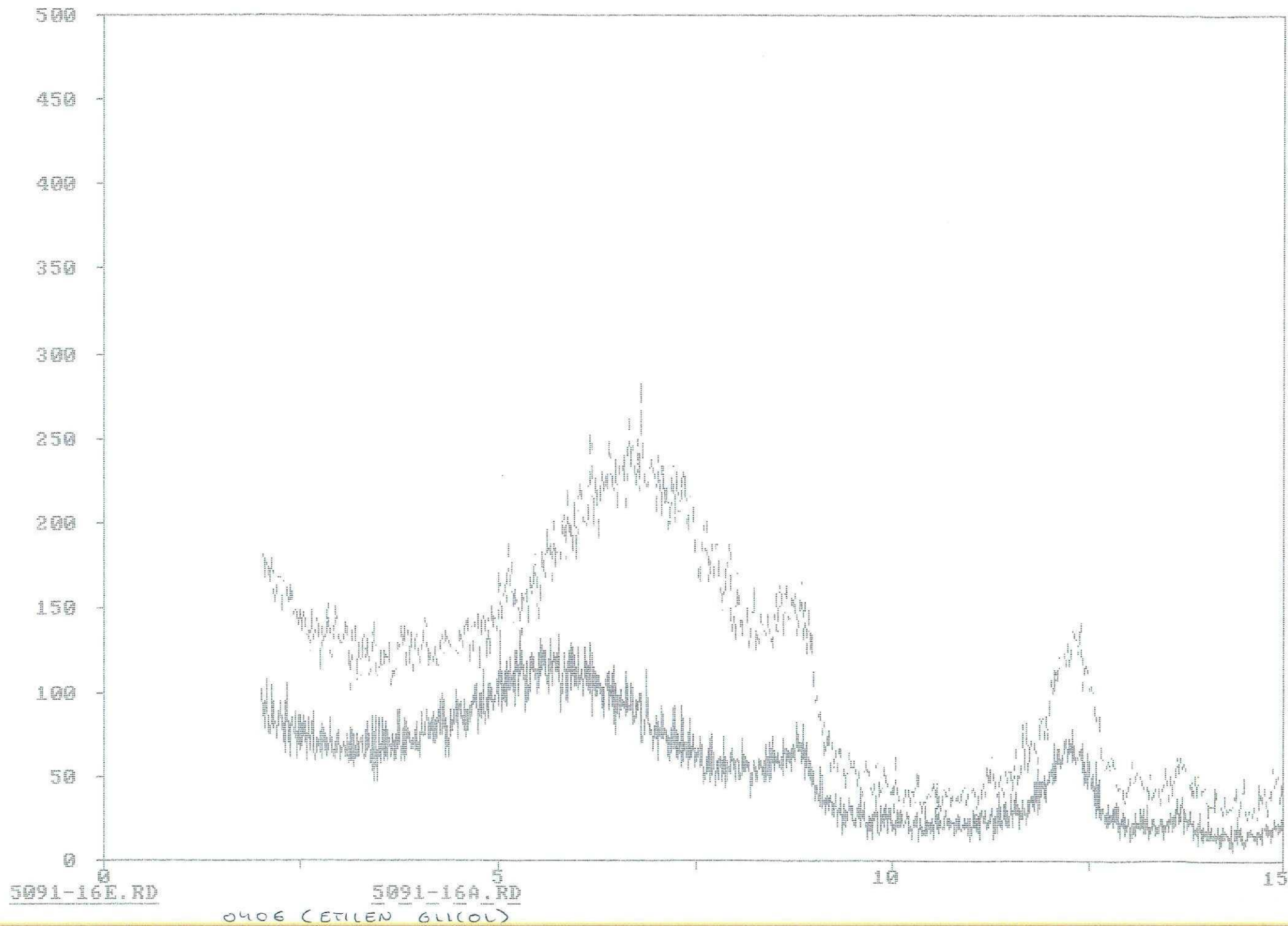






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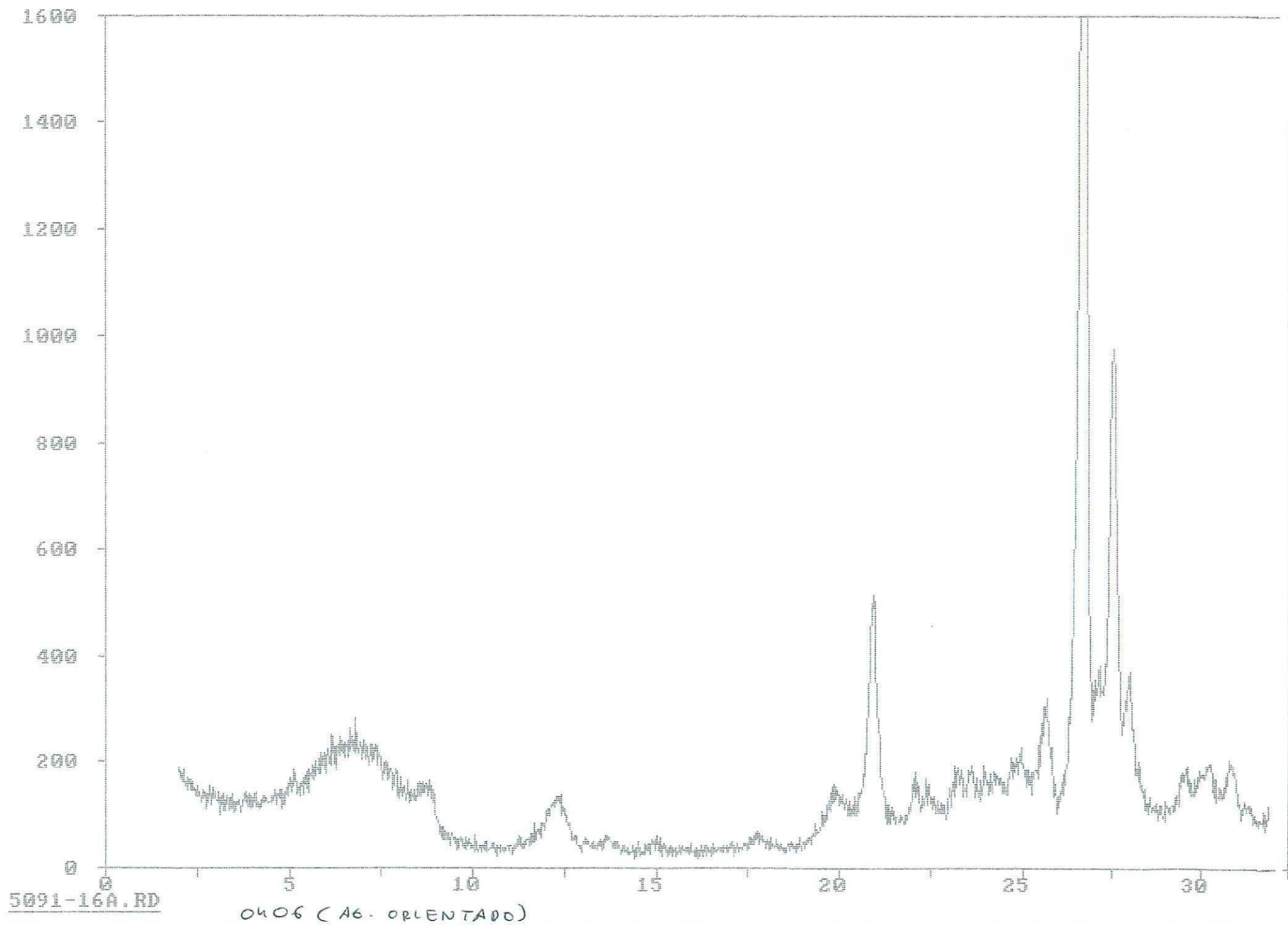
1. The first part of the document is a title page. It contains the title of the document, the author's name, and the date of the document. The title is "The History of the United States of America". The author is "John Adams". The date is "1776".

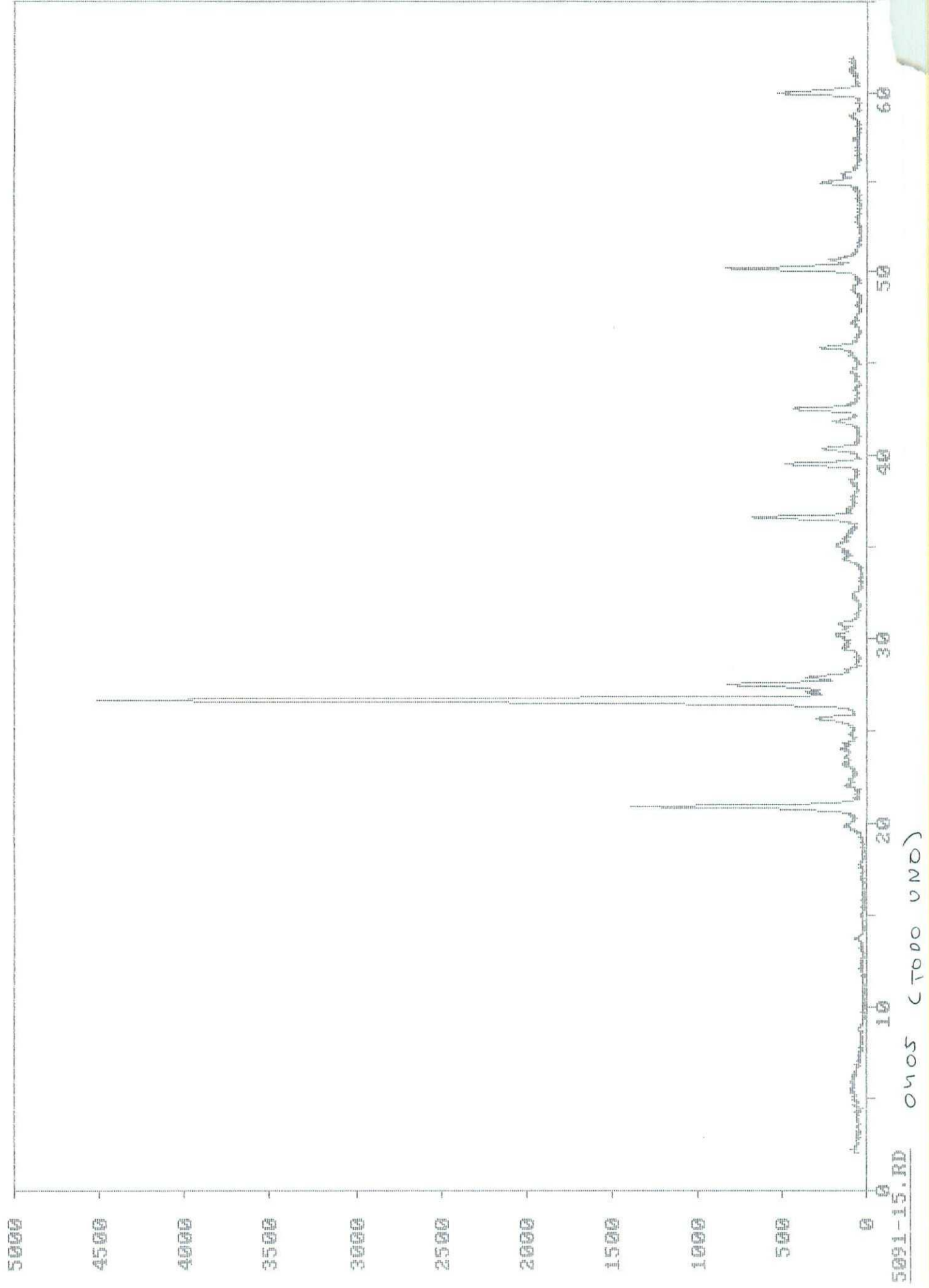
2. The second part of the document is a table of contents. It lists the chapters of the document and the page numbers where they begin. The chapters are "The Declaration of Independence", "The Constitution", "The Bill of Rights", "The Federalist Papers", and "The American Revolution". The page numbers are 1, 2, 3, 4, and 5 respectively.

3. The third part of the document is the main body of the text. It is divided into five chapters. The first chapter is "The Declaration of Independence". It discusses the reasons for the American colonies' decision to declare independence from Great Britain. The second chapter is "The Constitution". It discusses the process of drafting the Constitution and the reasons for its adoption. The third chapter is "The Bill of Rights". It discusses the process of drafting the Bill of Rights and the reasons for its adoption. The fourth chapter is "The Federalist Papers". It discusses the arguments in favor of the Constitution. The fifth chapter is "The American Revolution". It discusses the events of the American Revolution and the role of the United States.

4. The fourth part of the document is a conclusion. It summarizes the main points of the document and provides a final thought on the history of the United States.

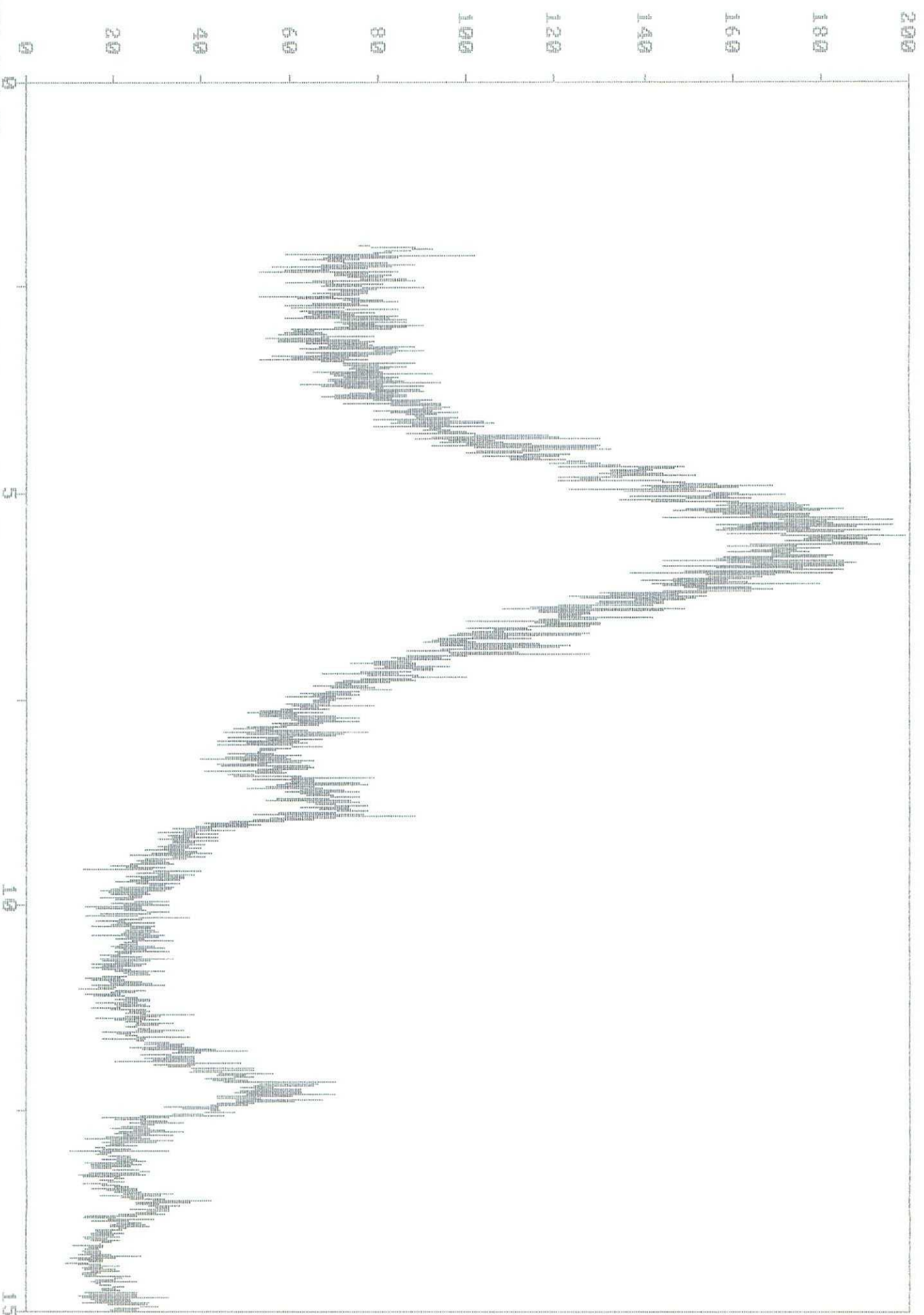
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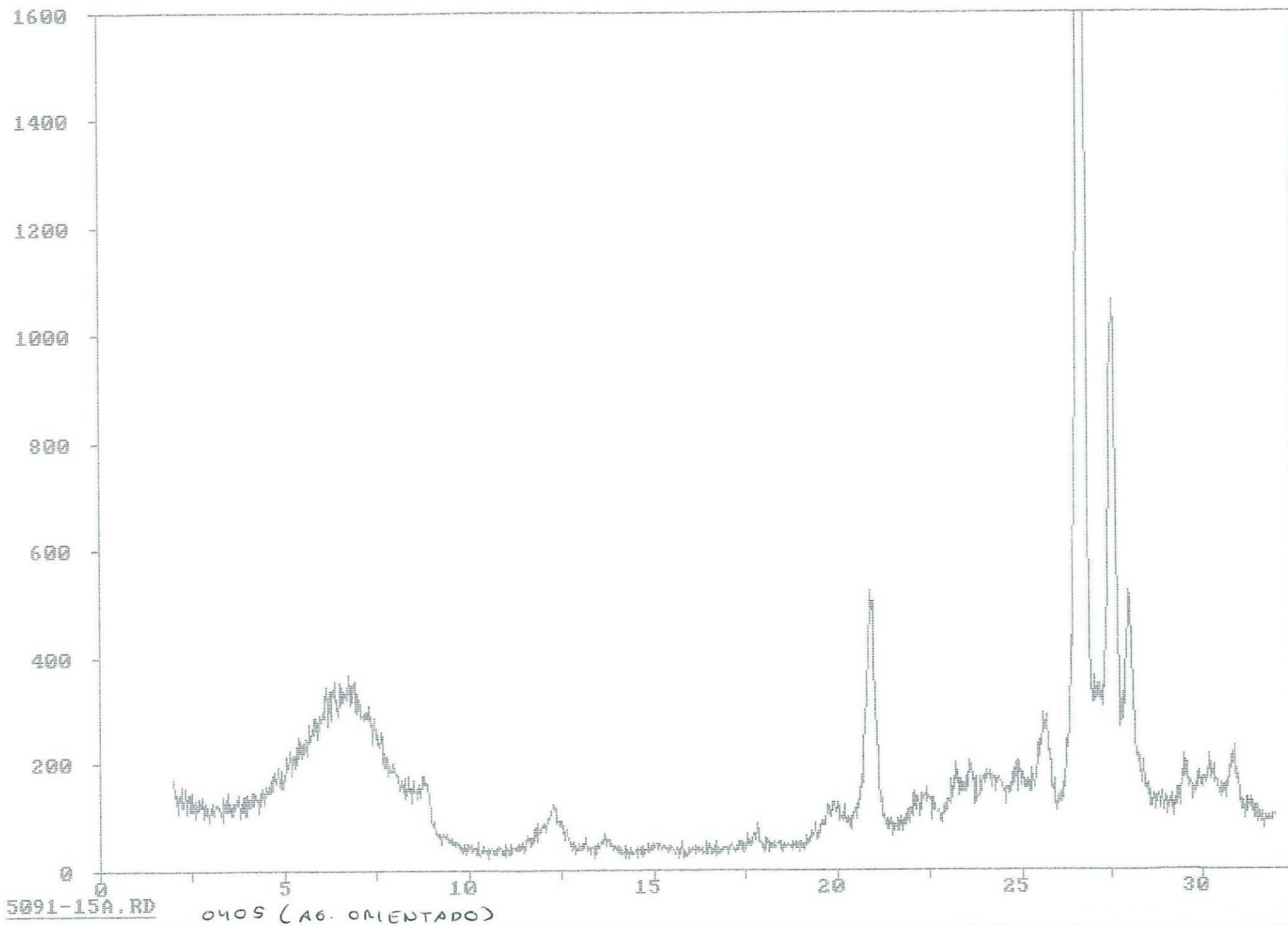


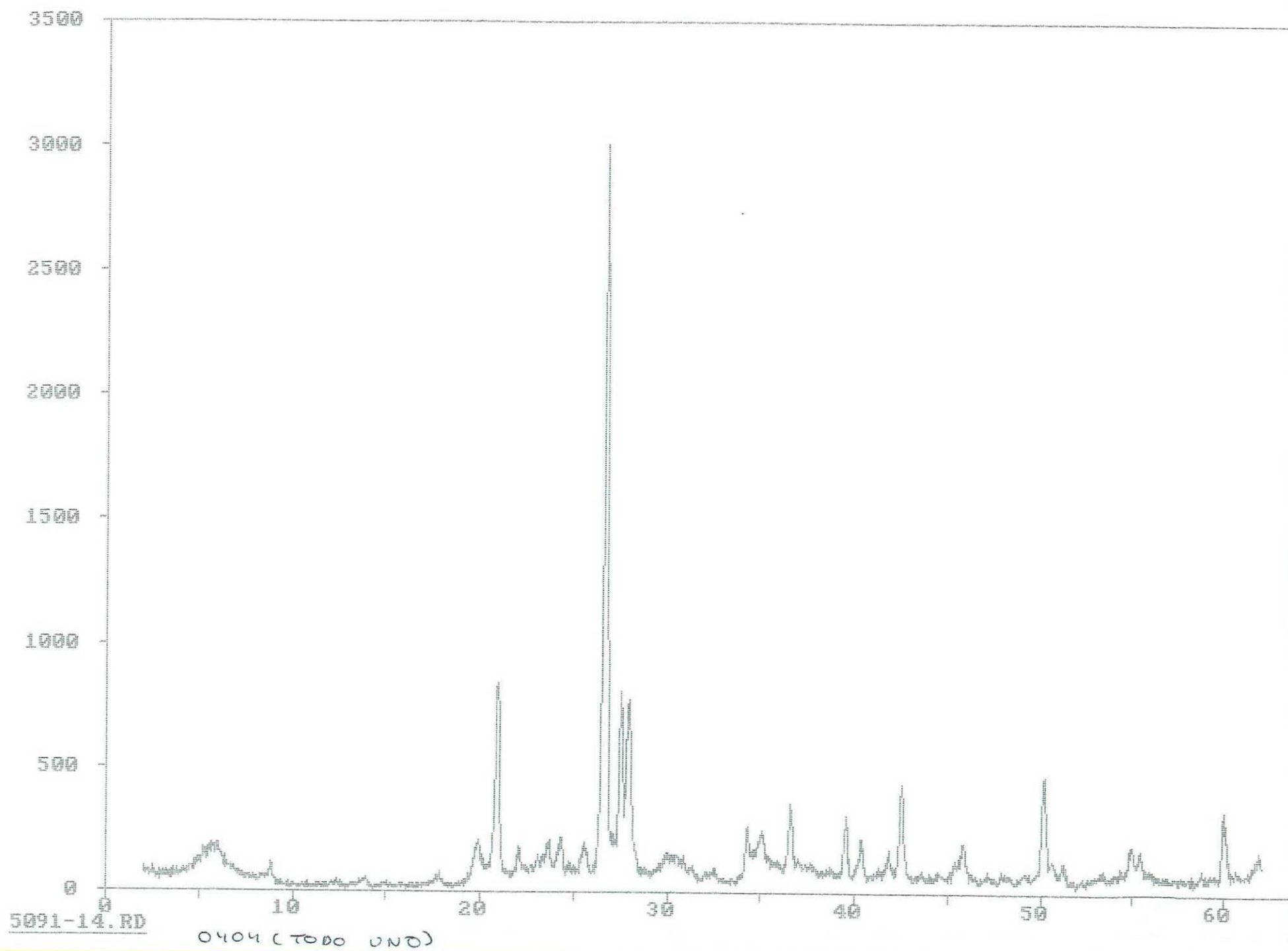
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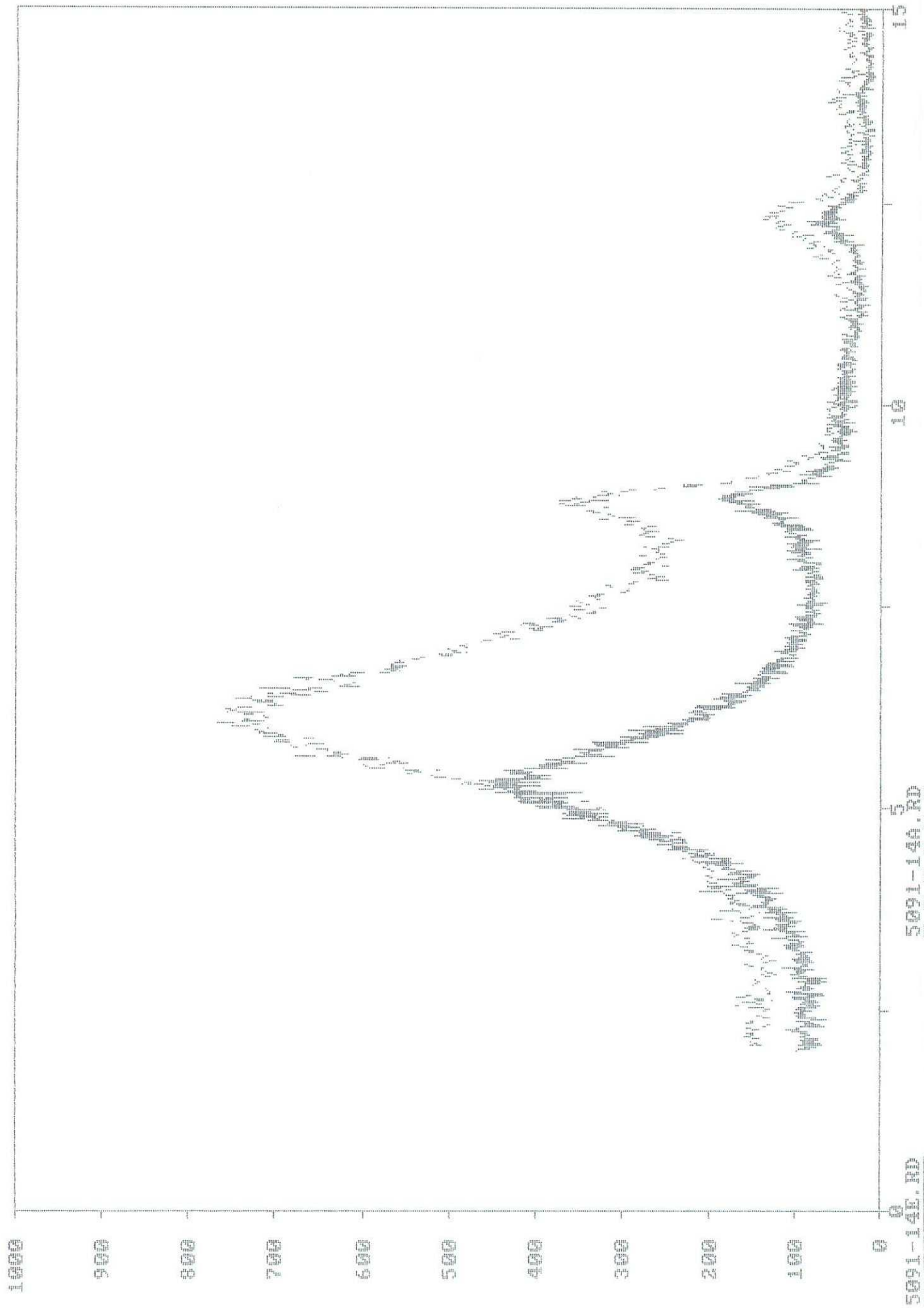
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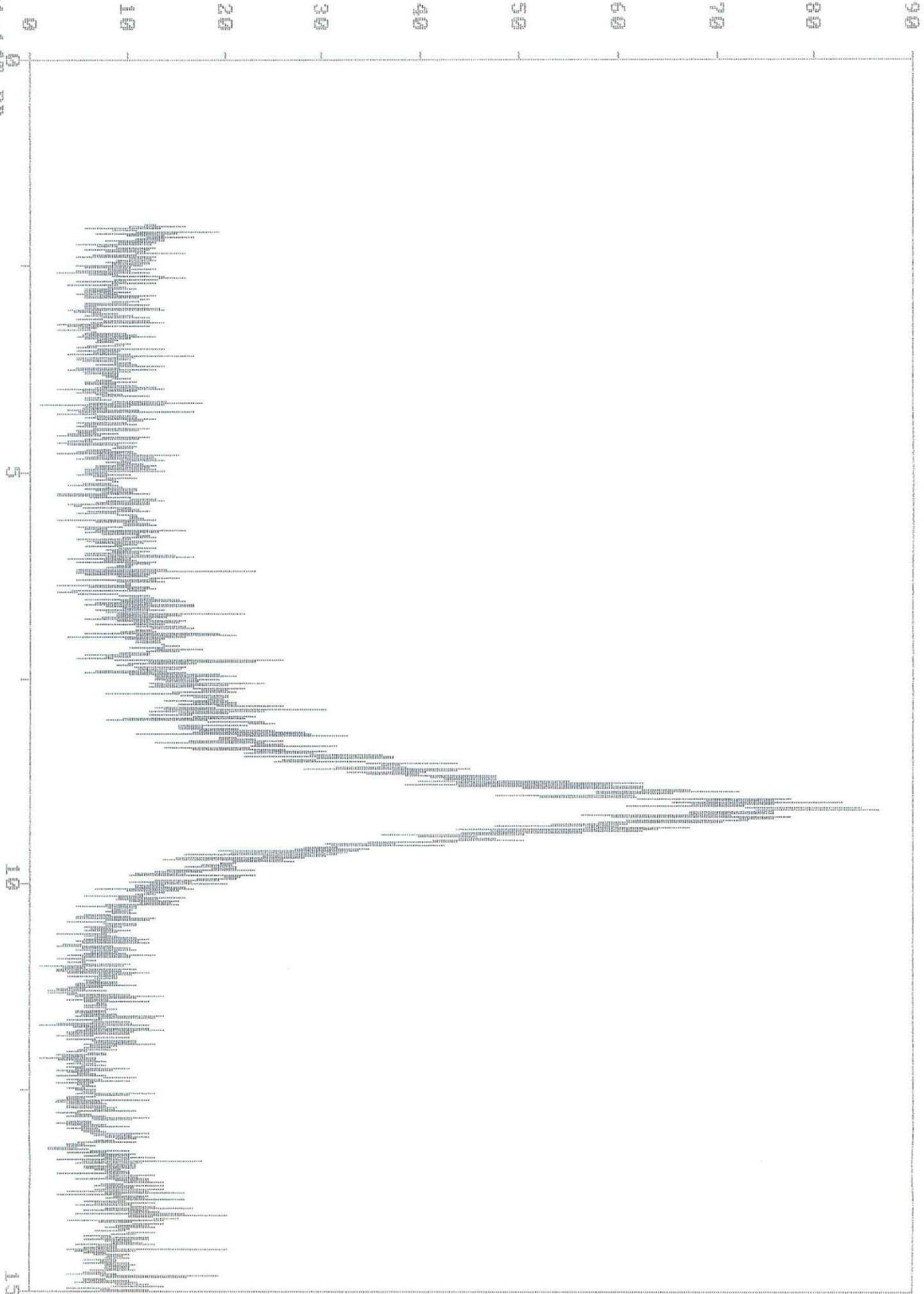


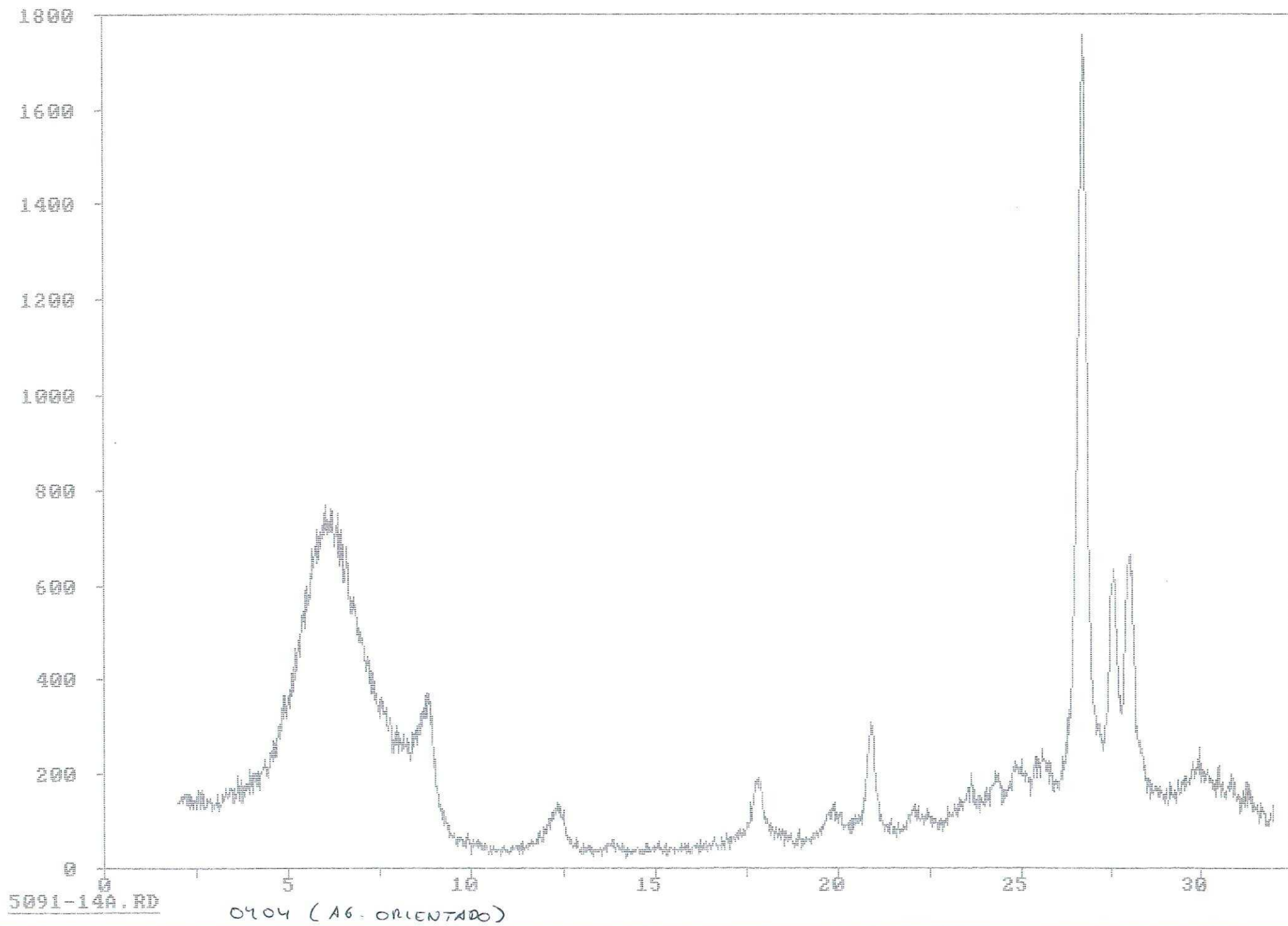


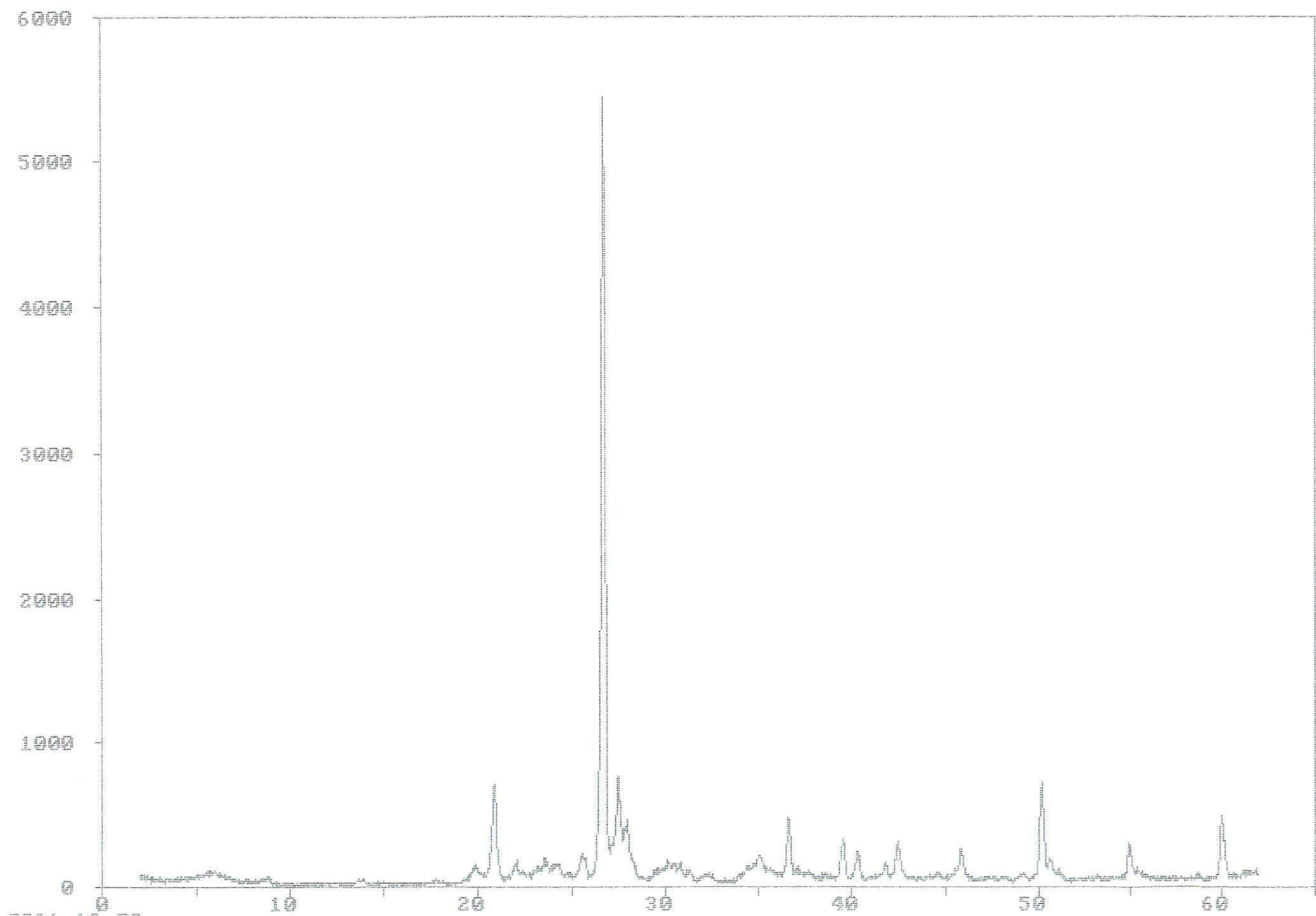
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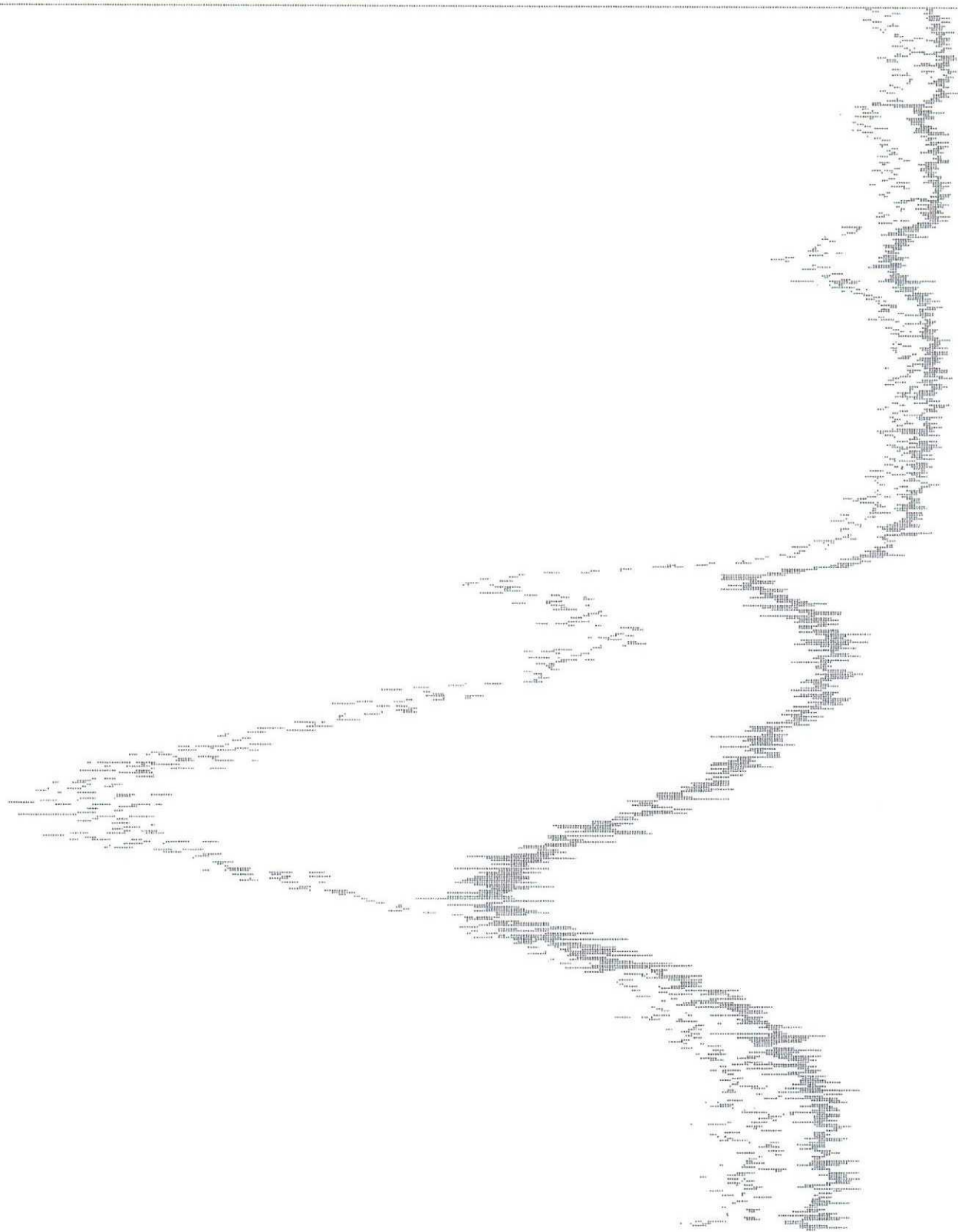
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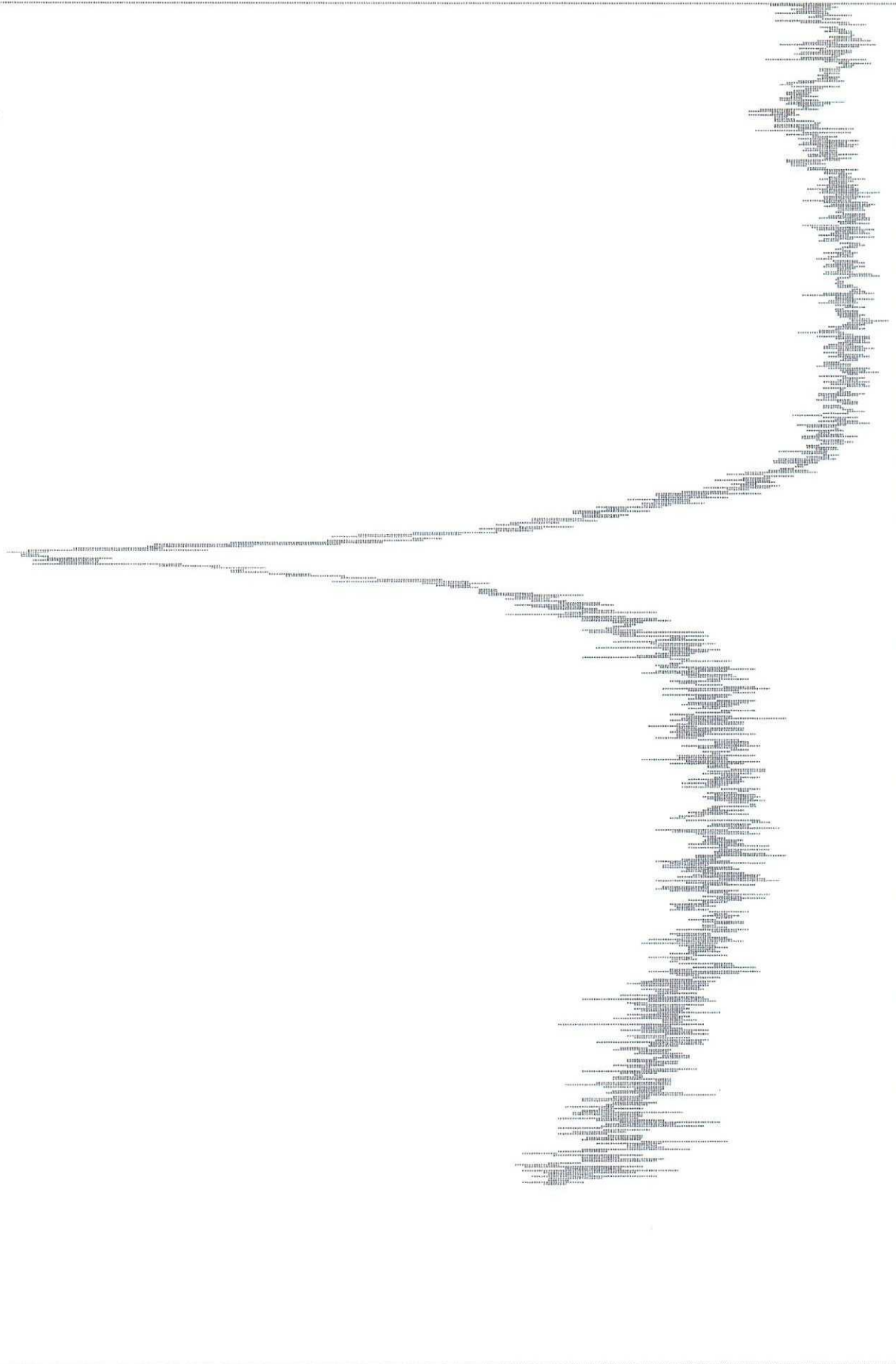
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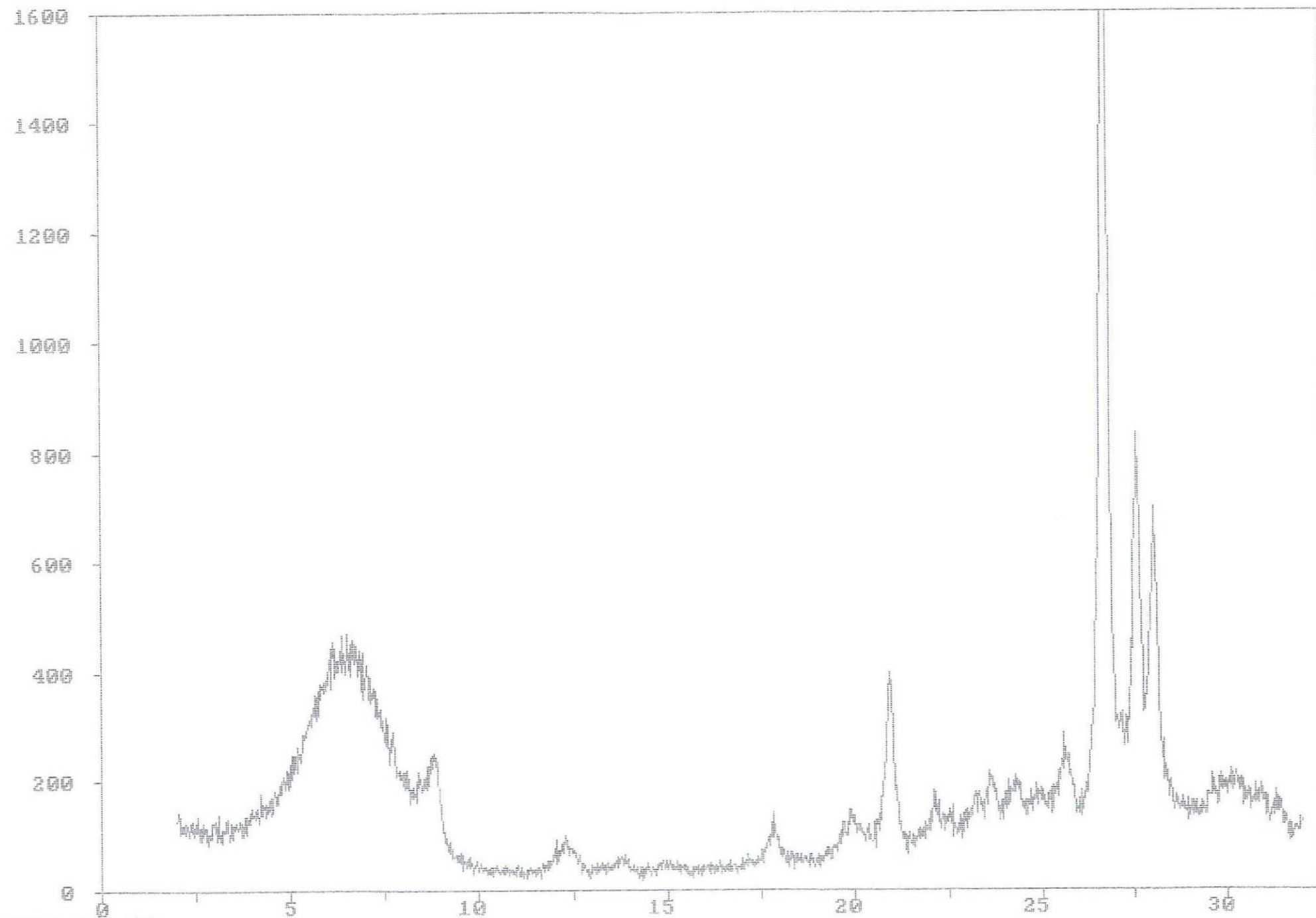
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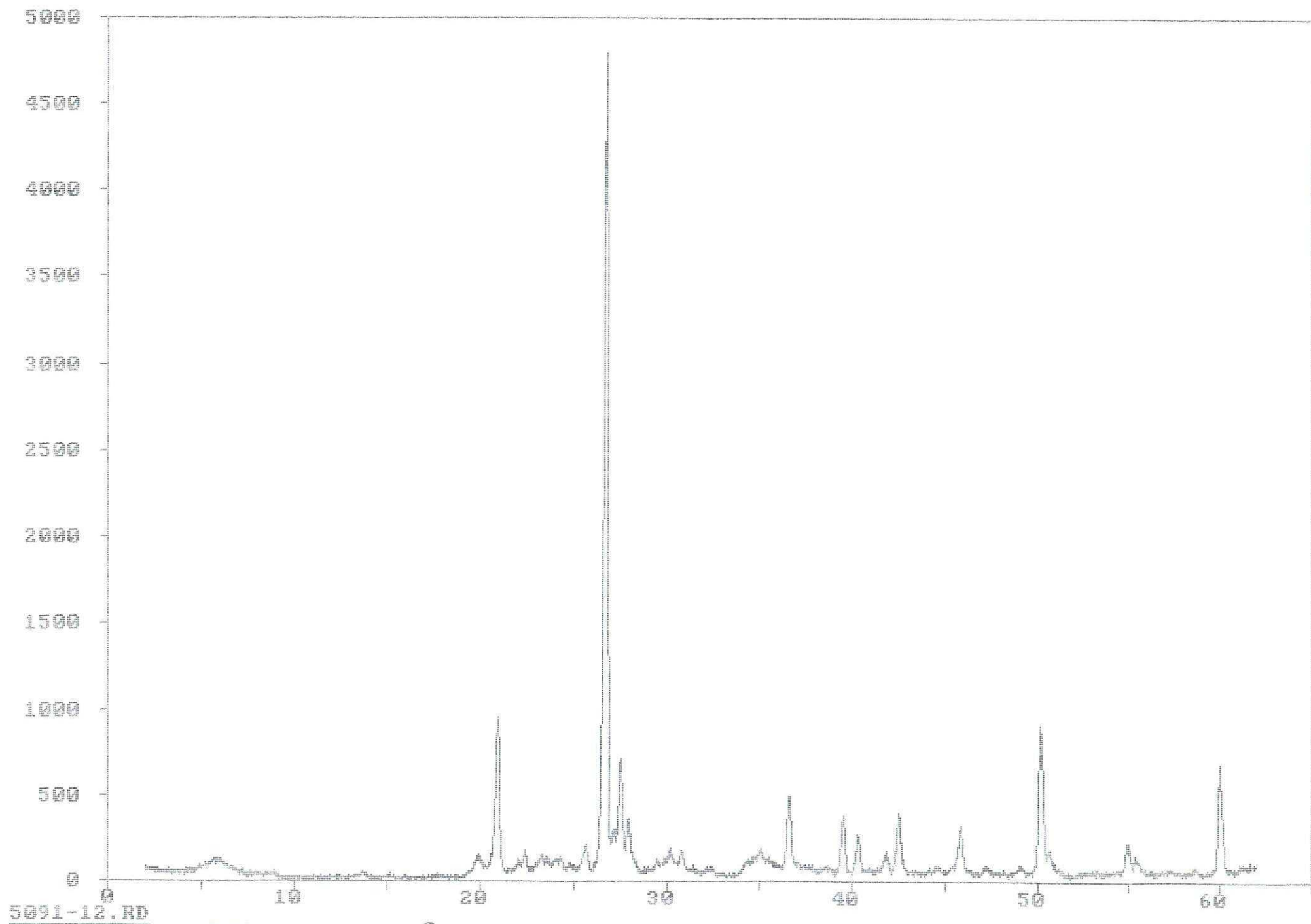
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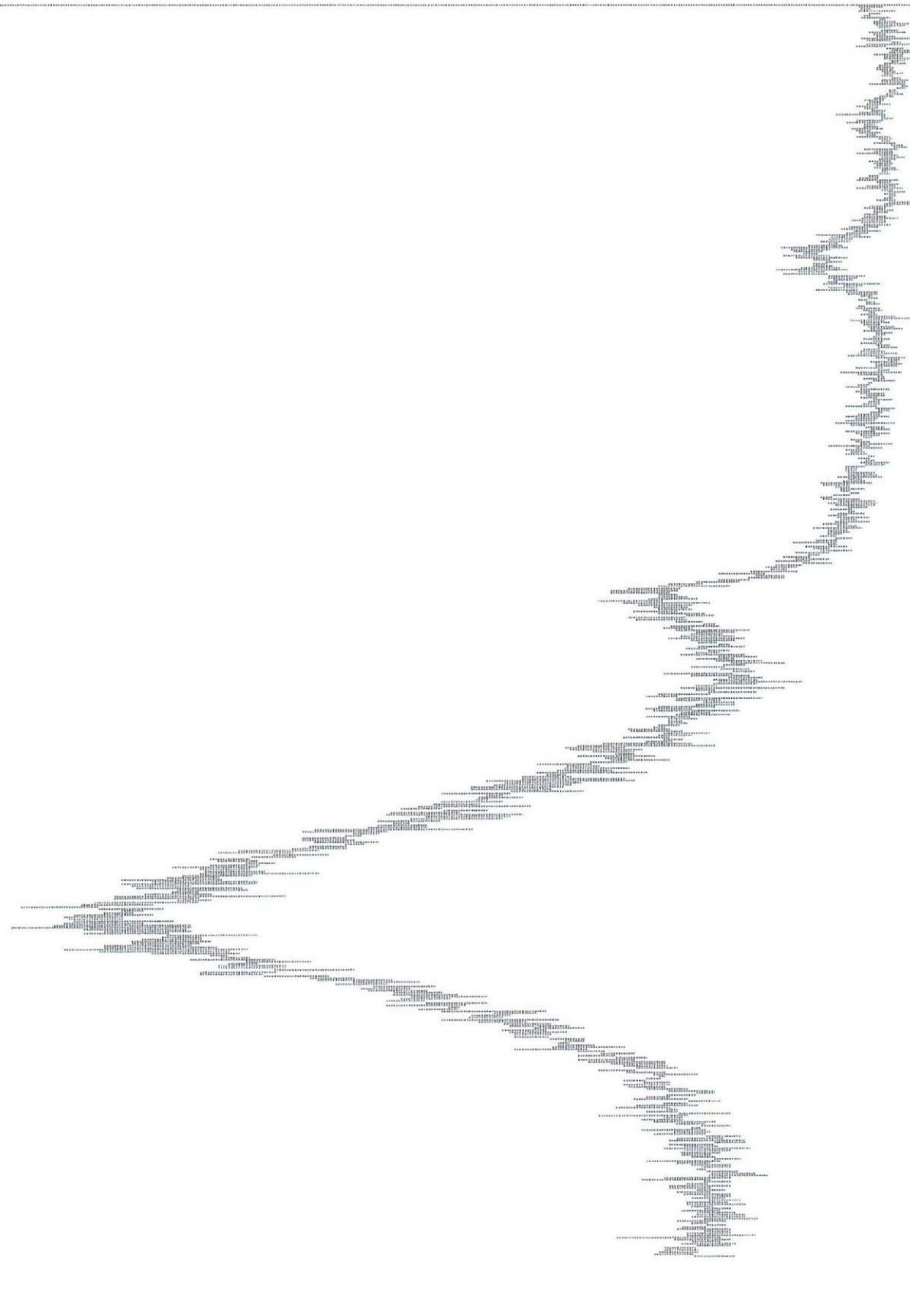
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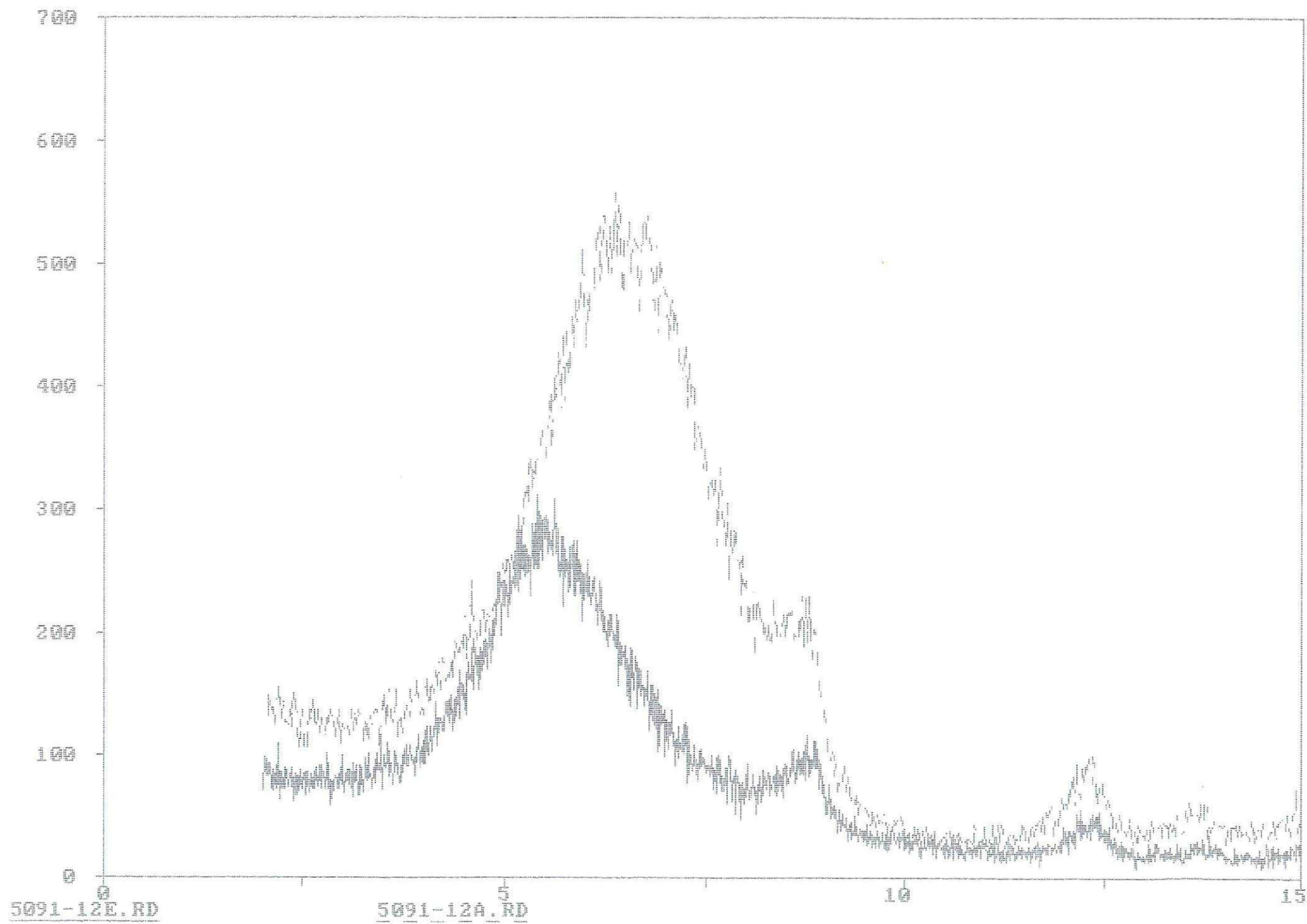
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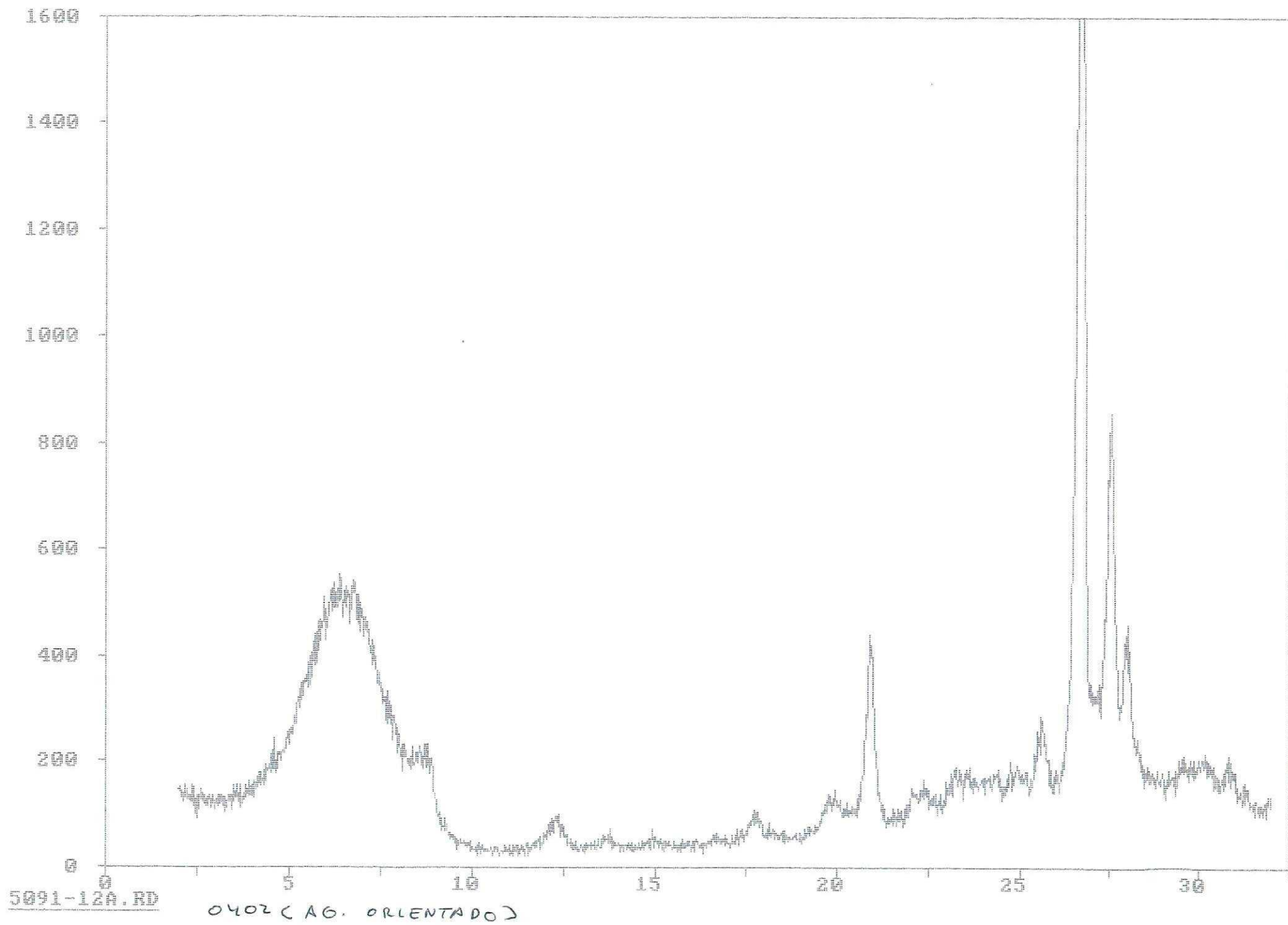
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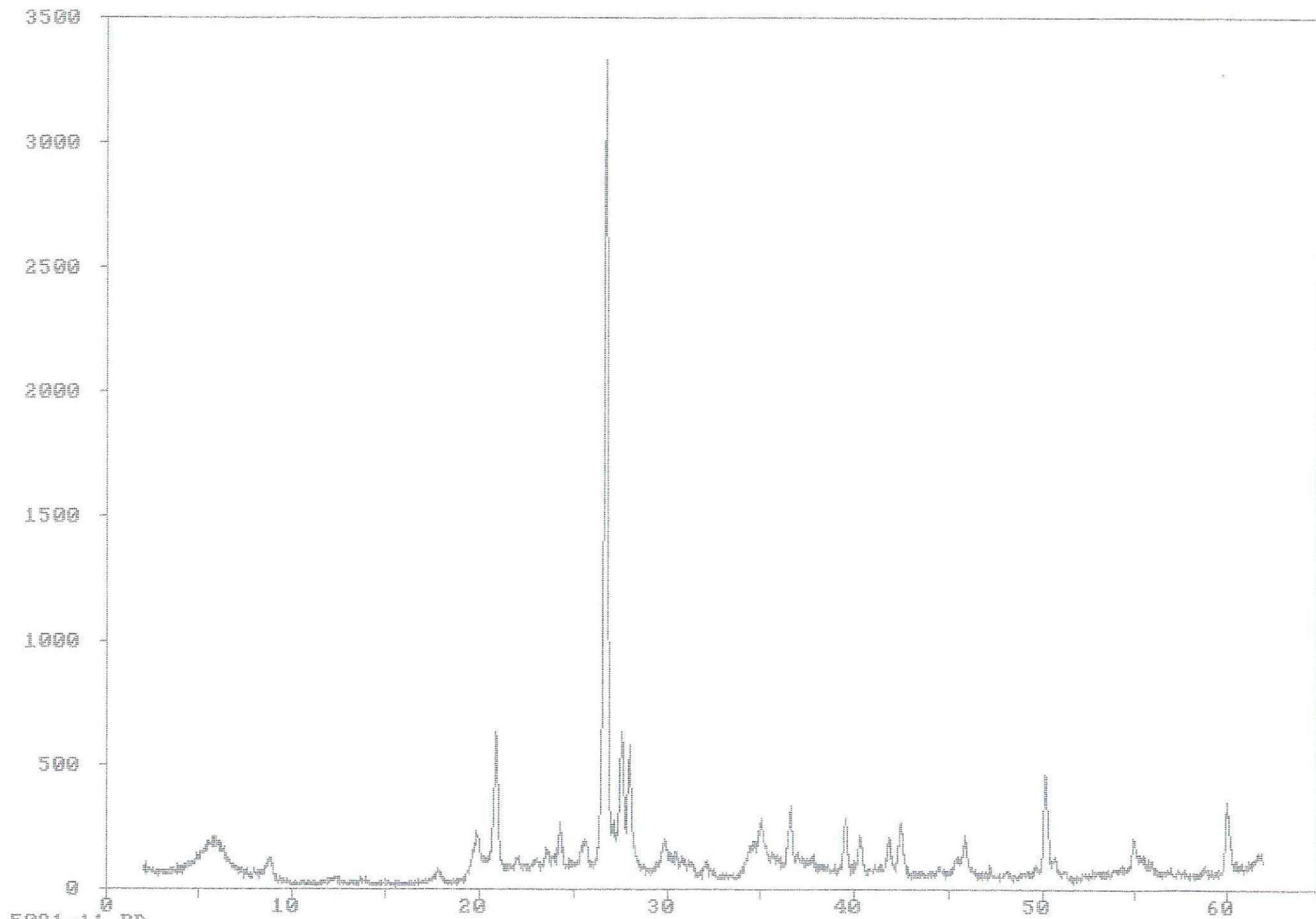


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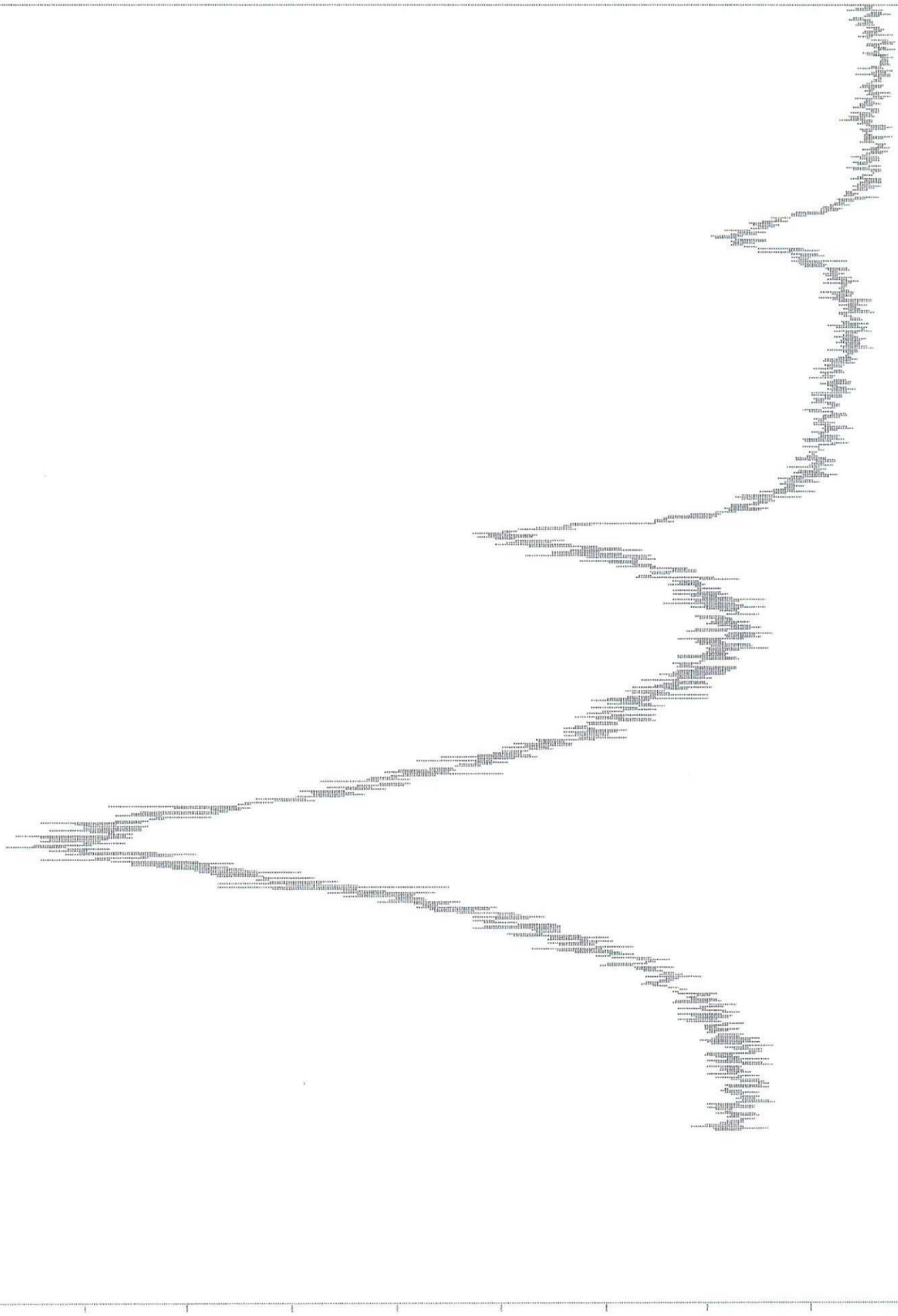
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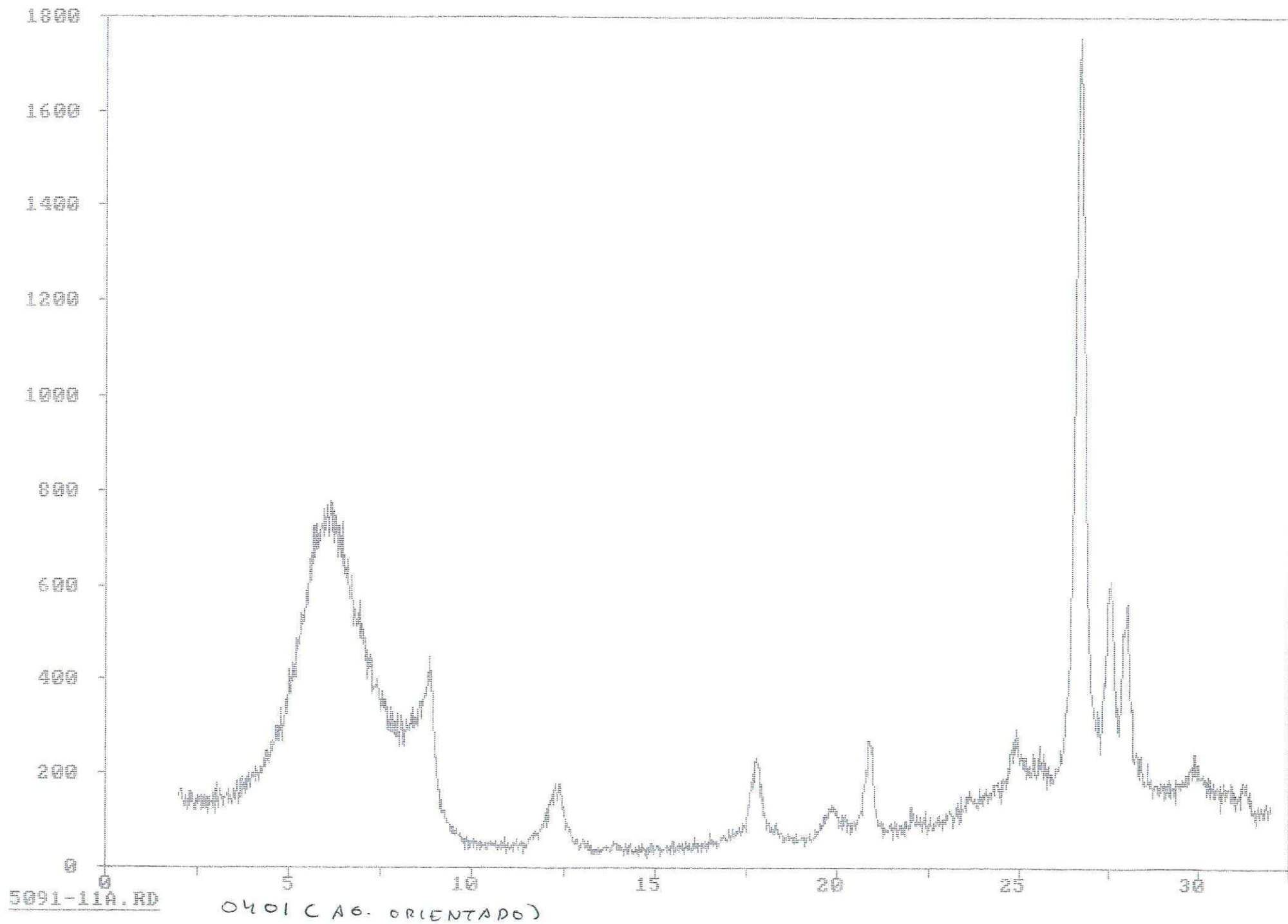
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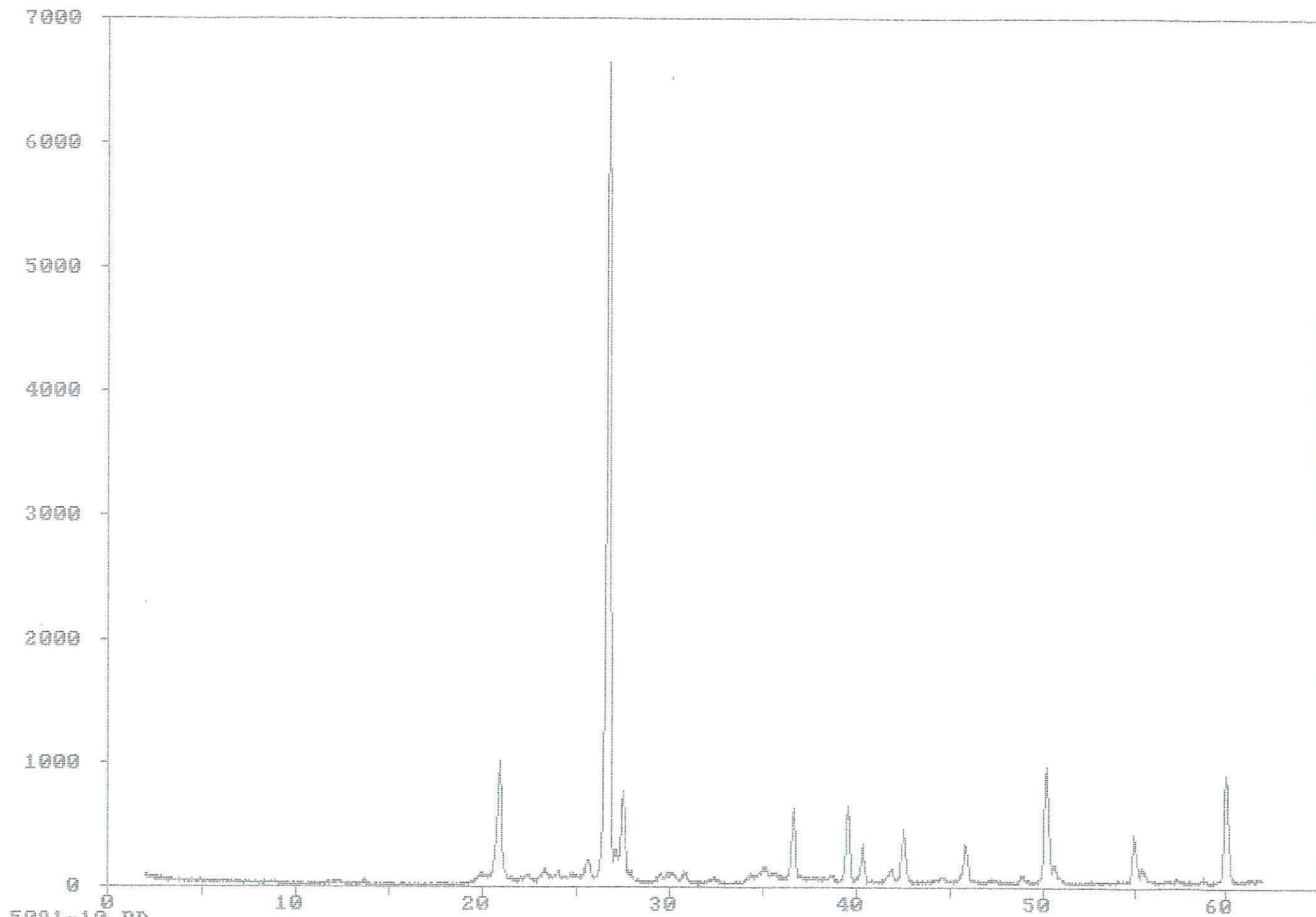
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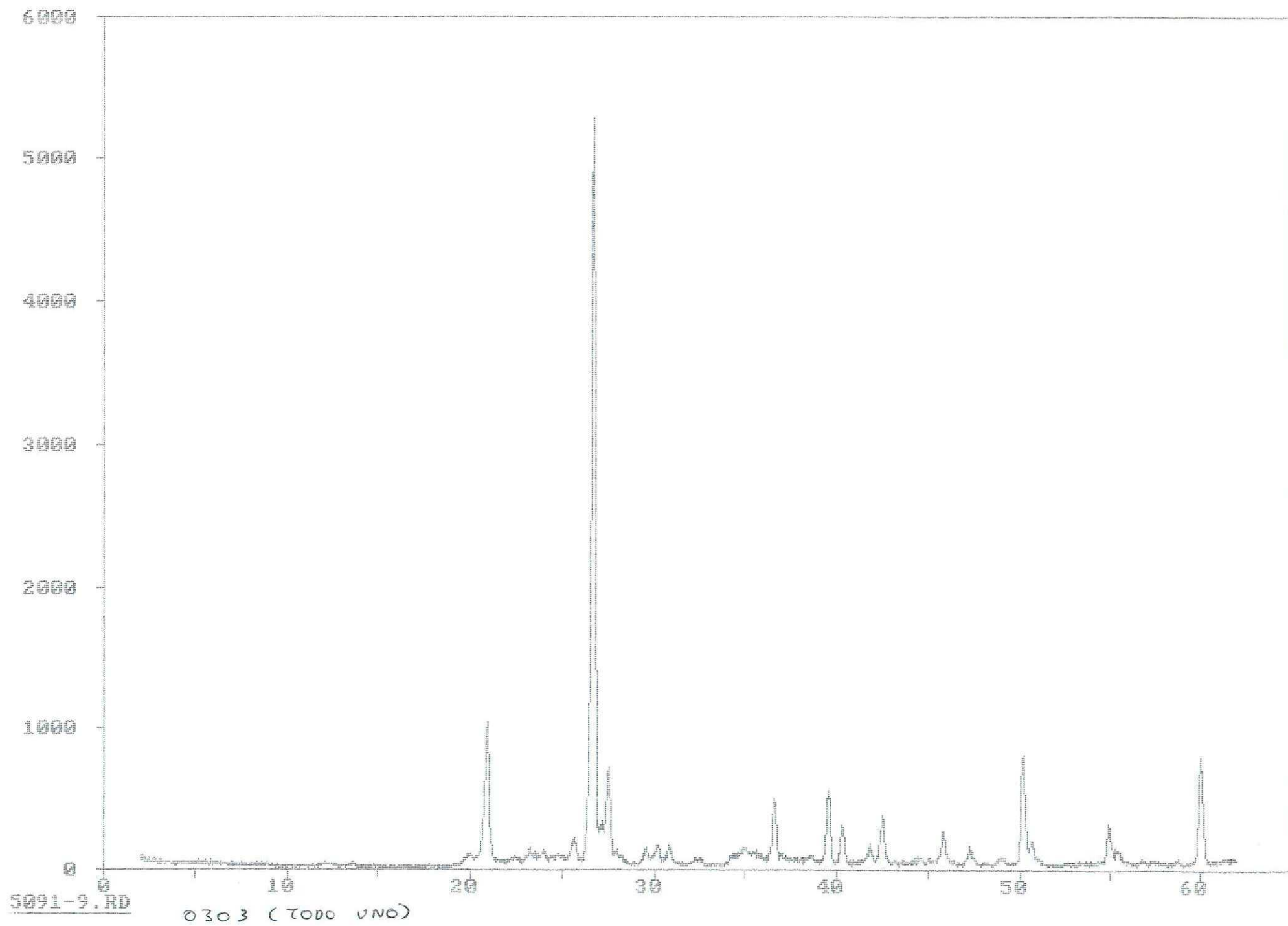
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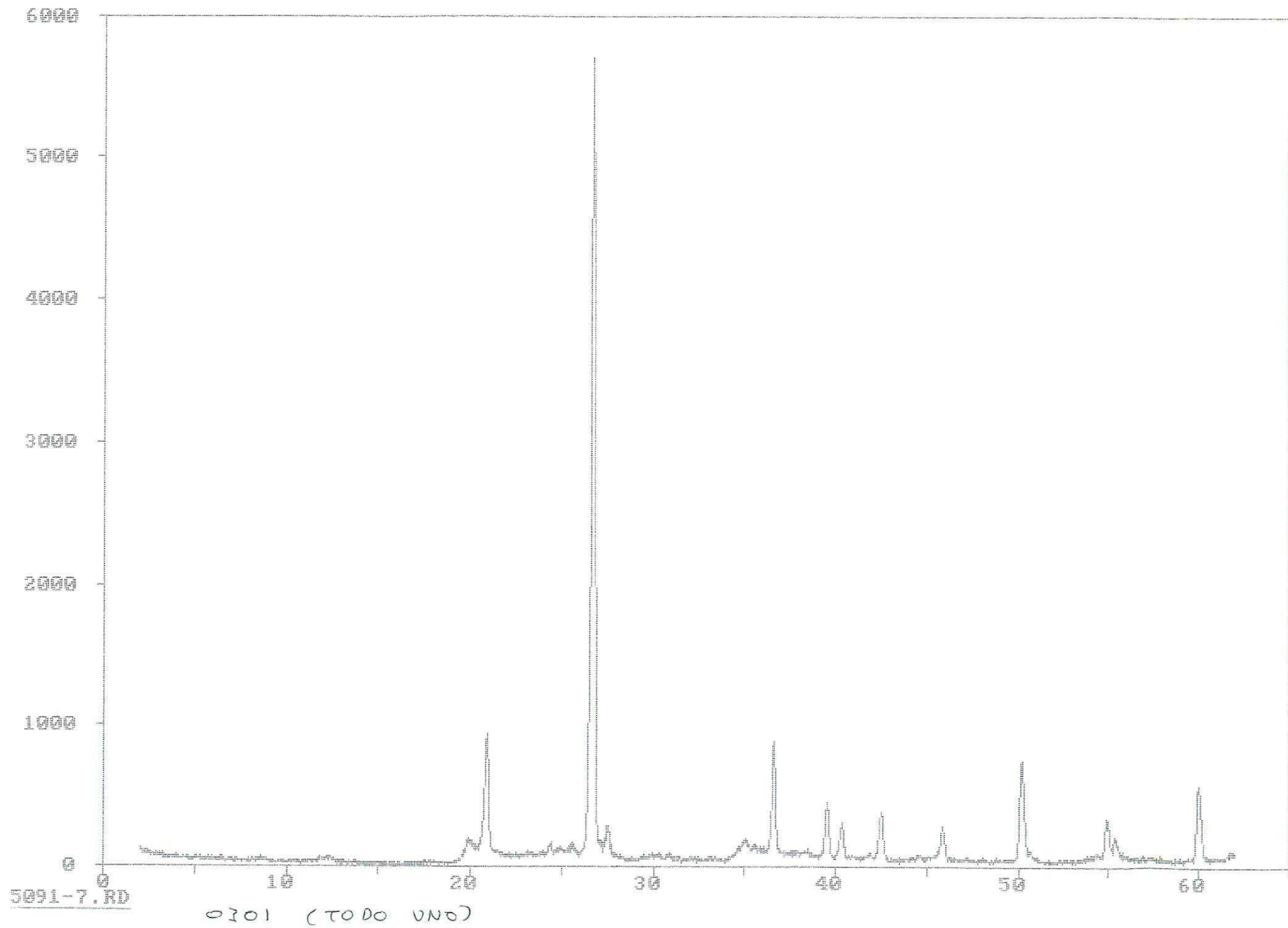




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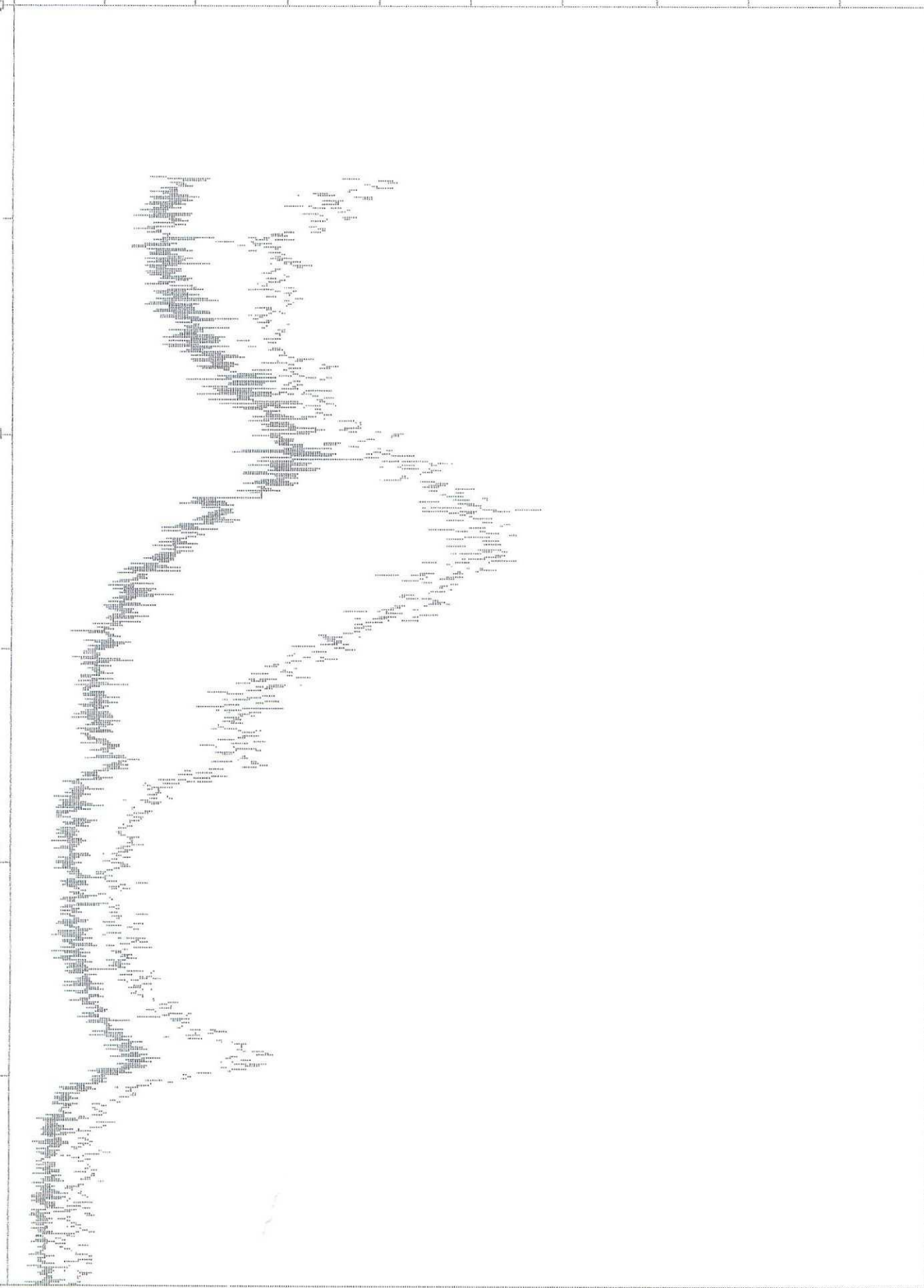
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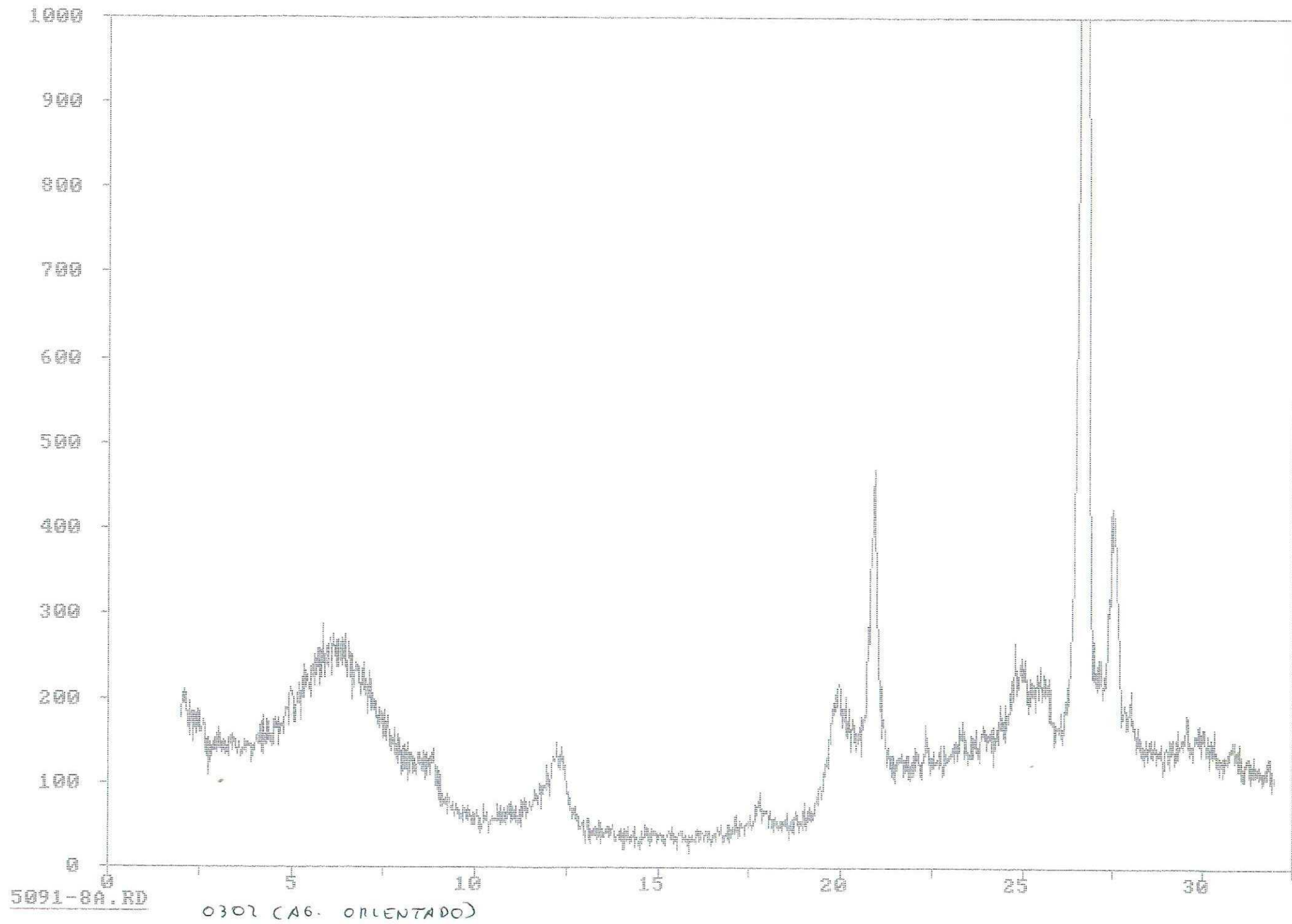
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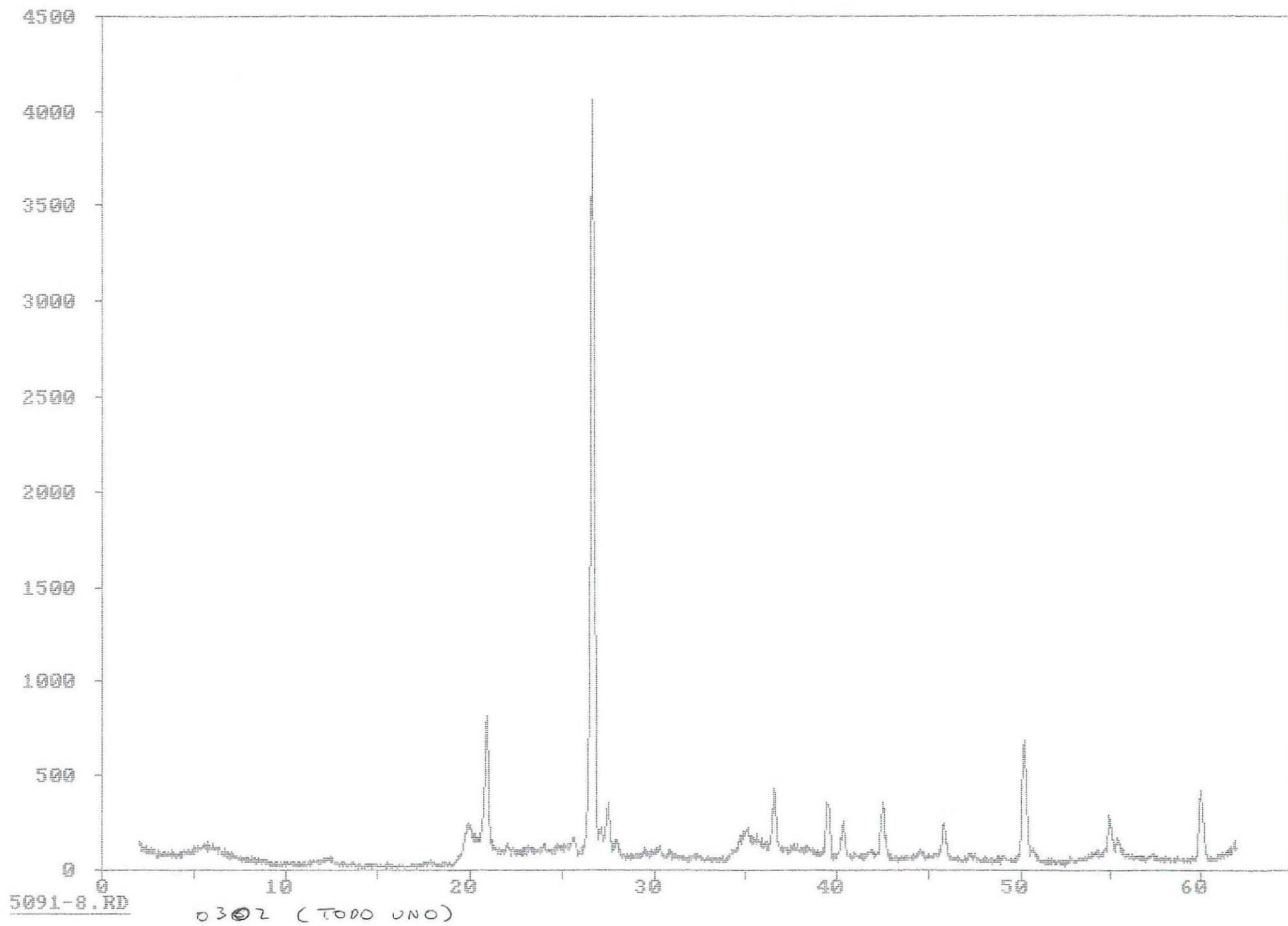
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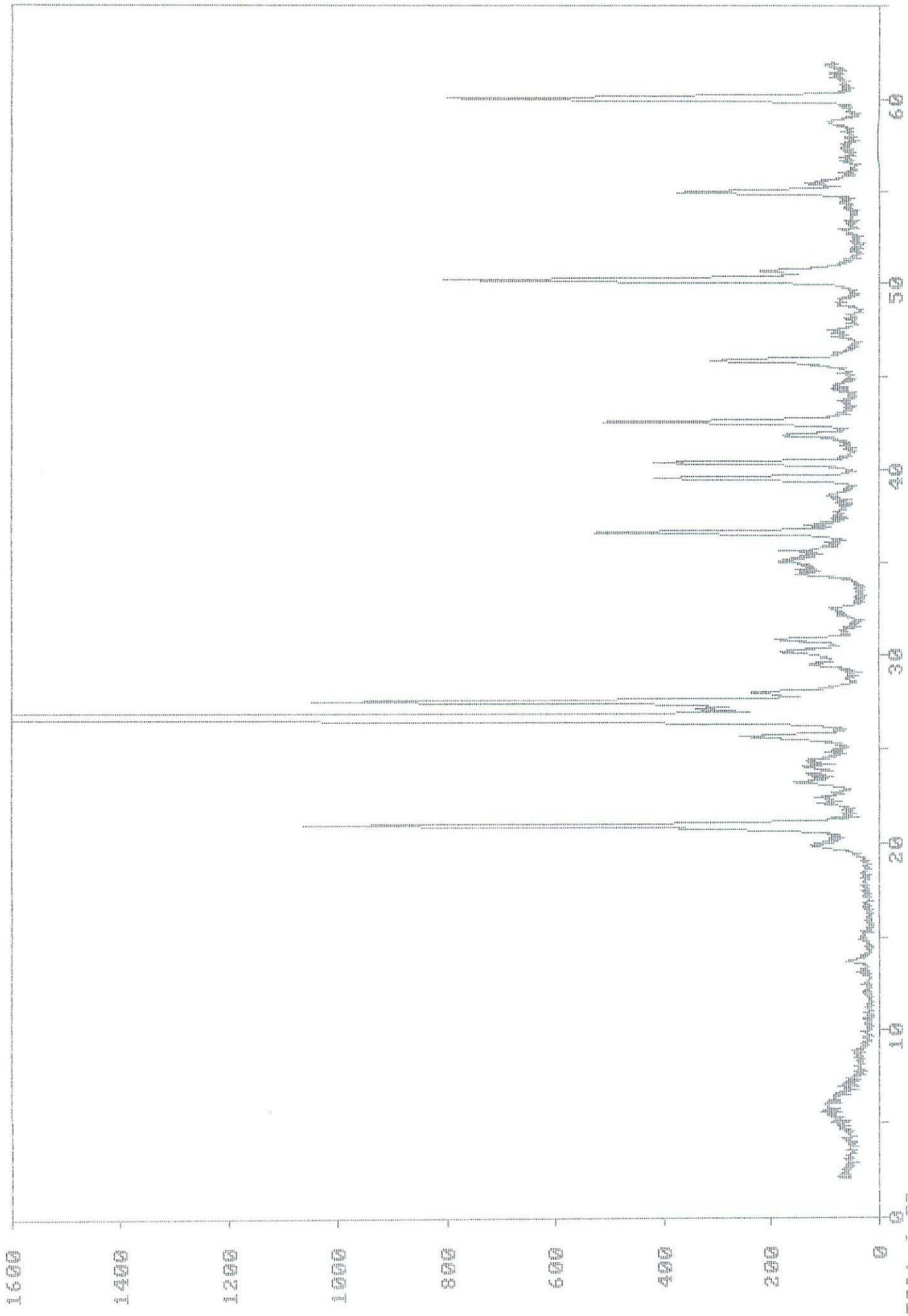
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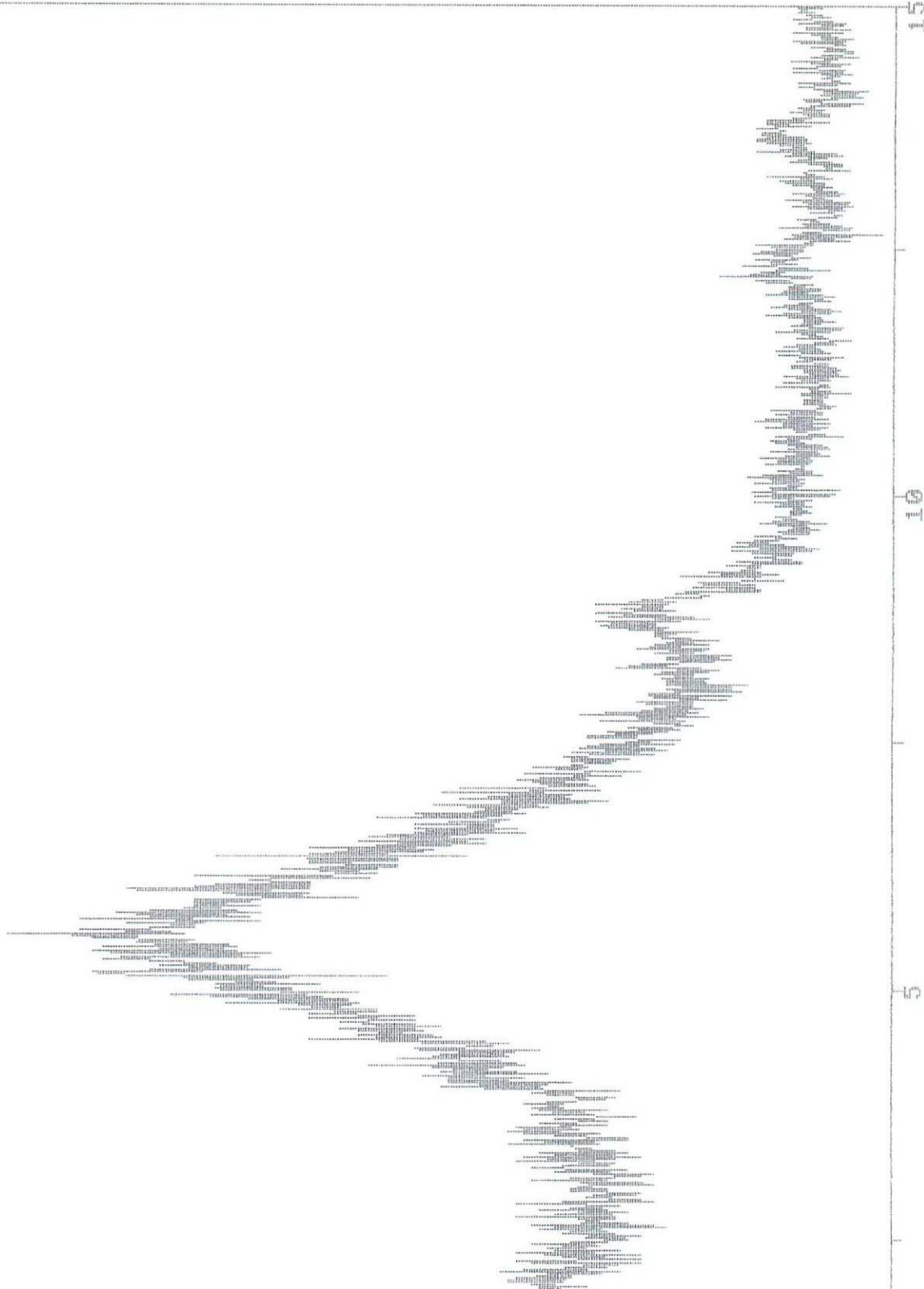
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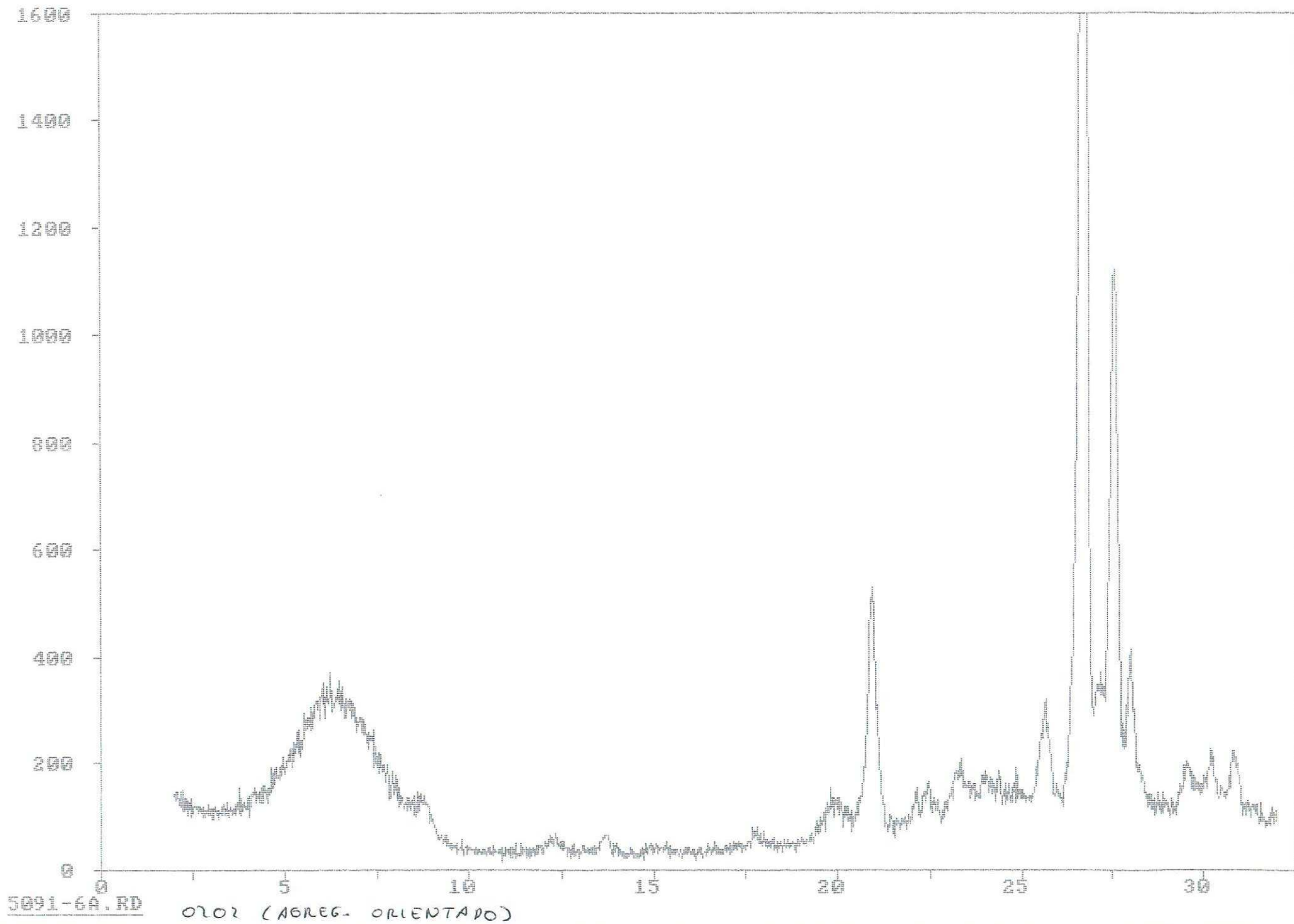
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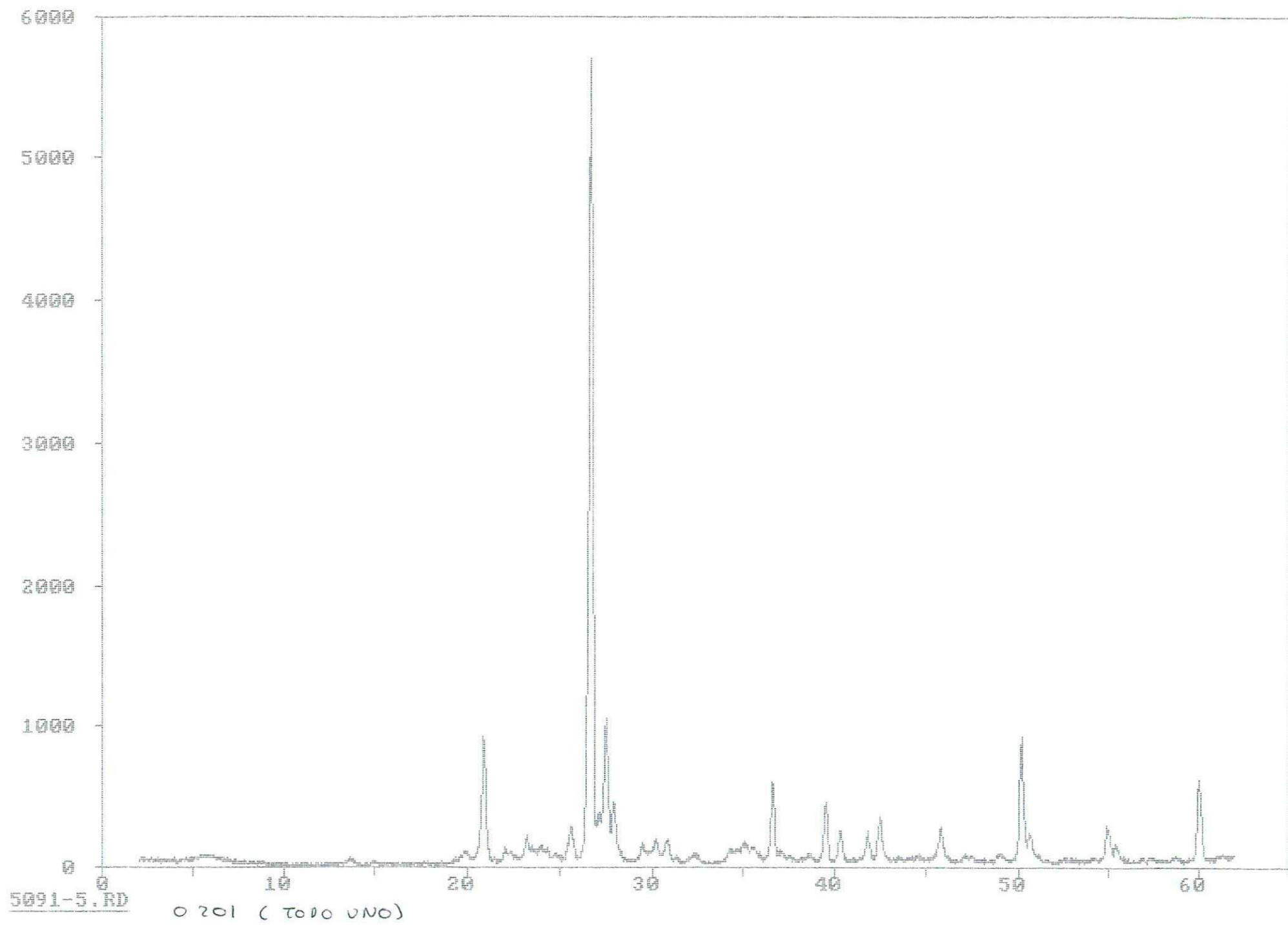
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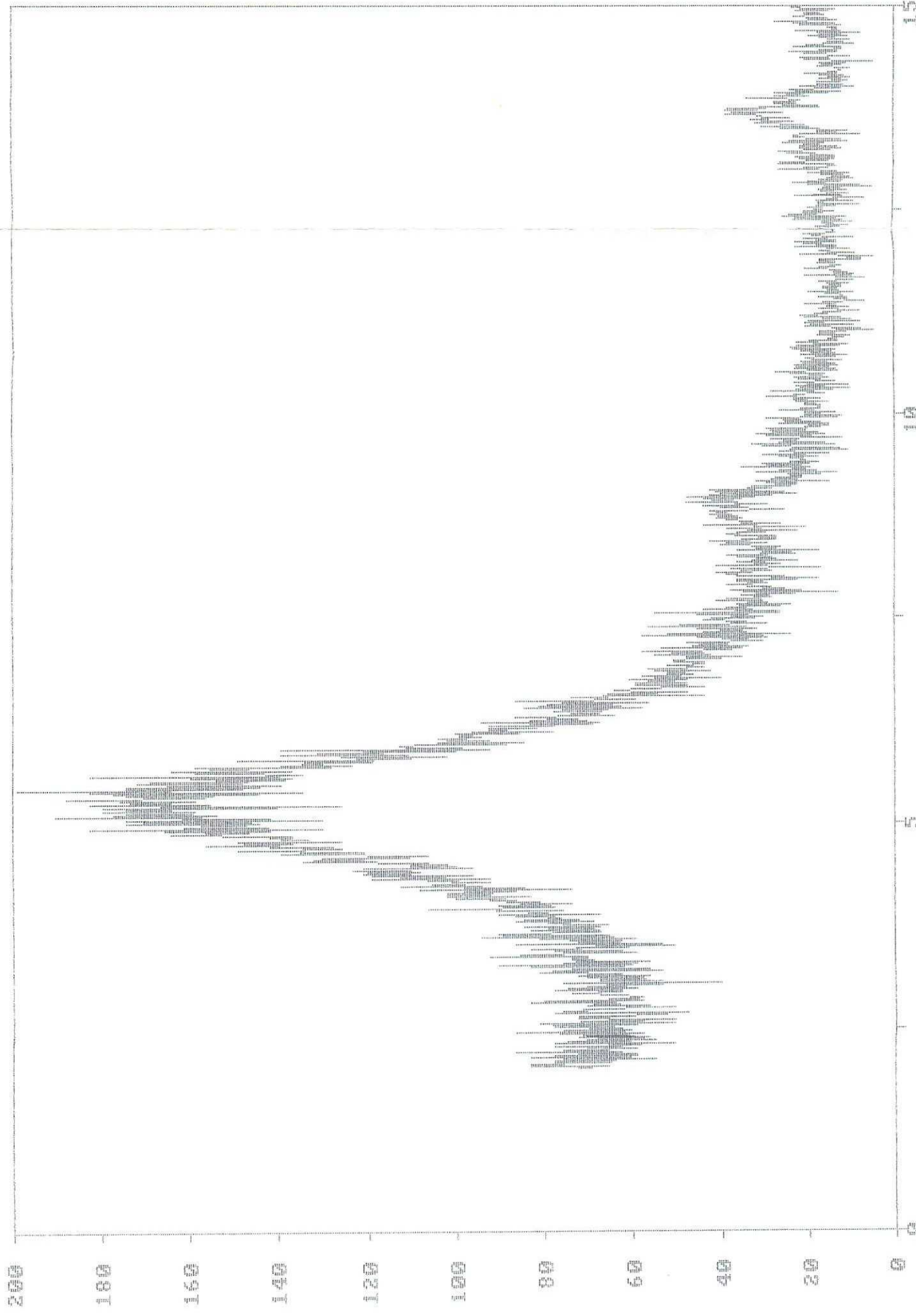
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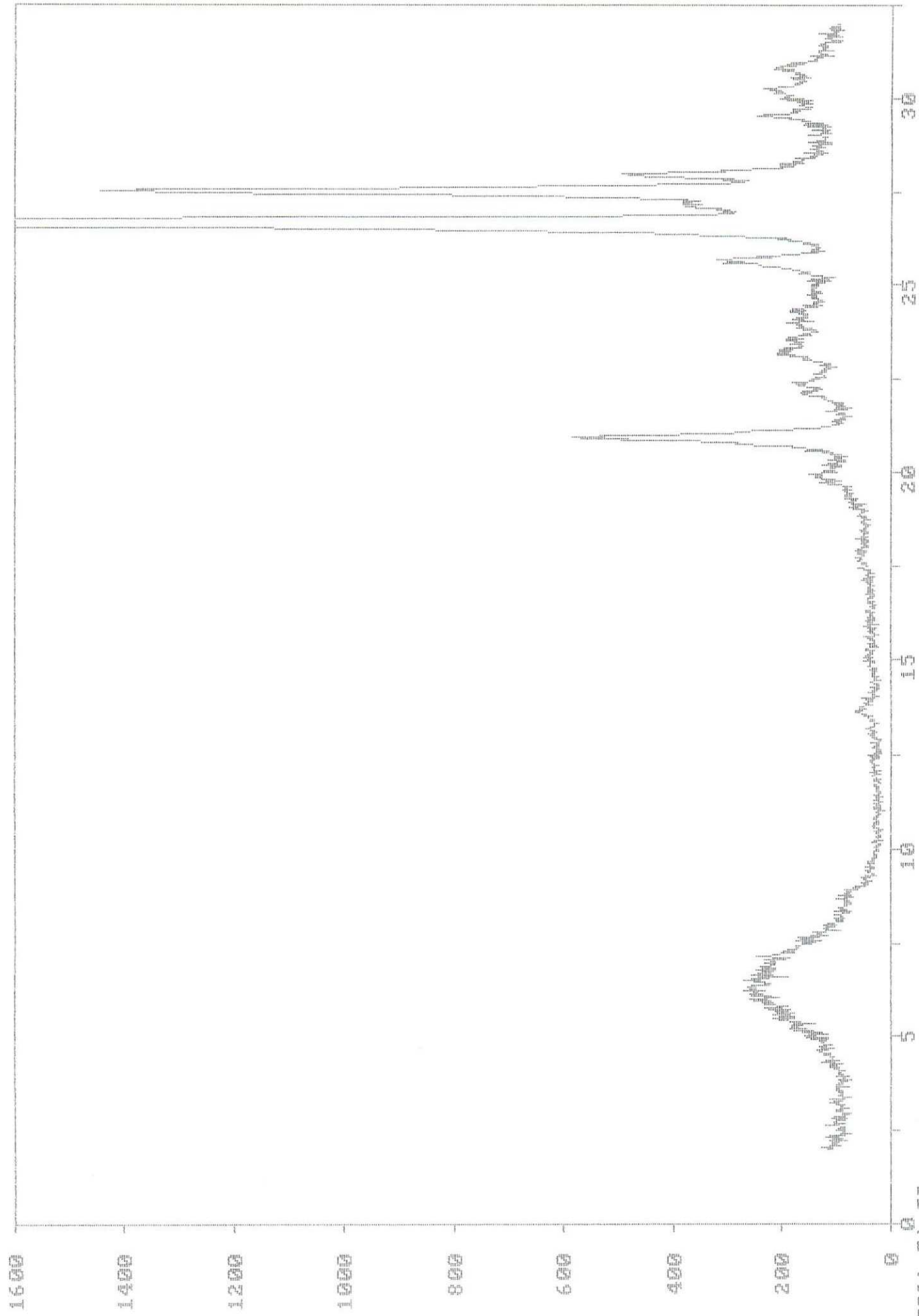
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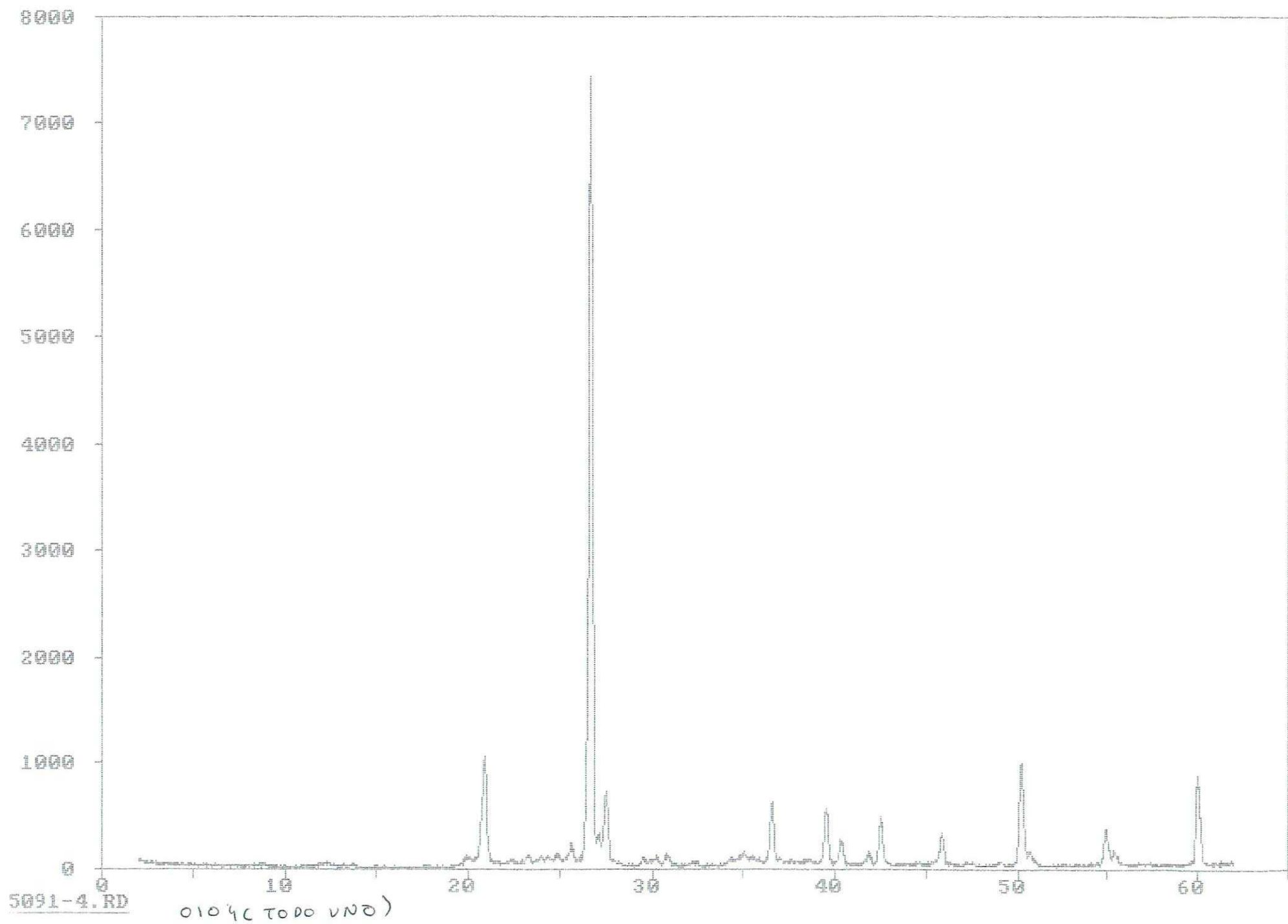
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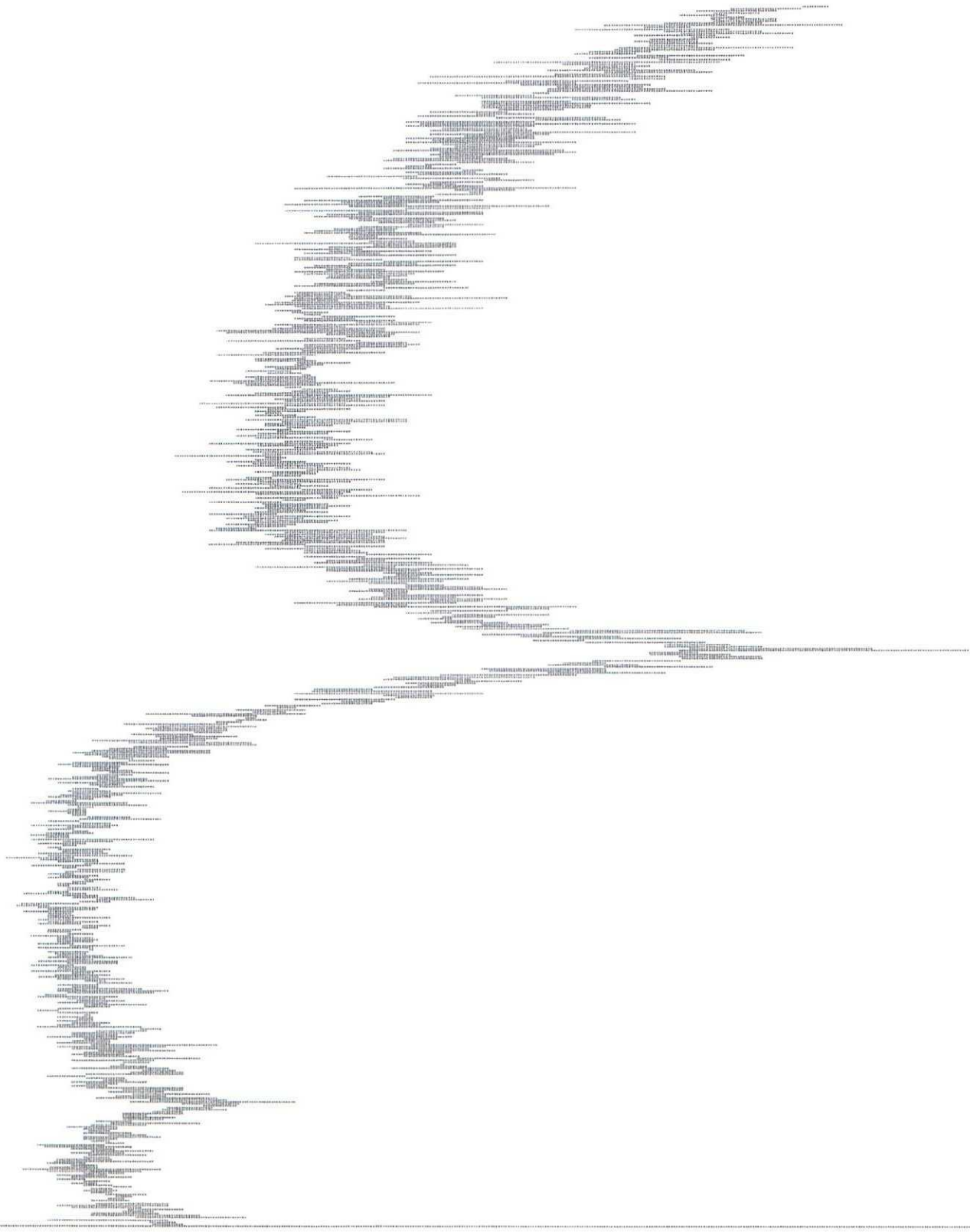
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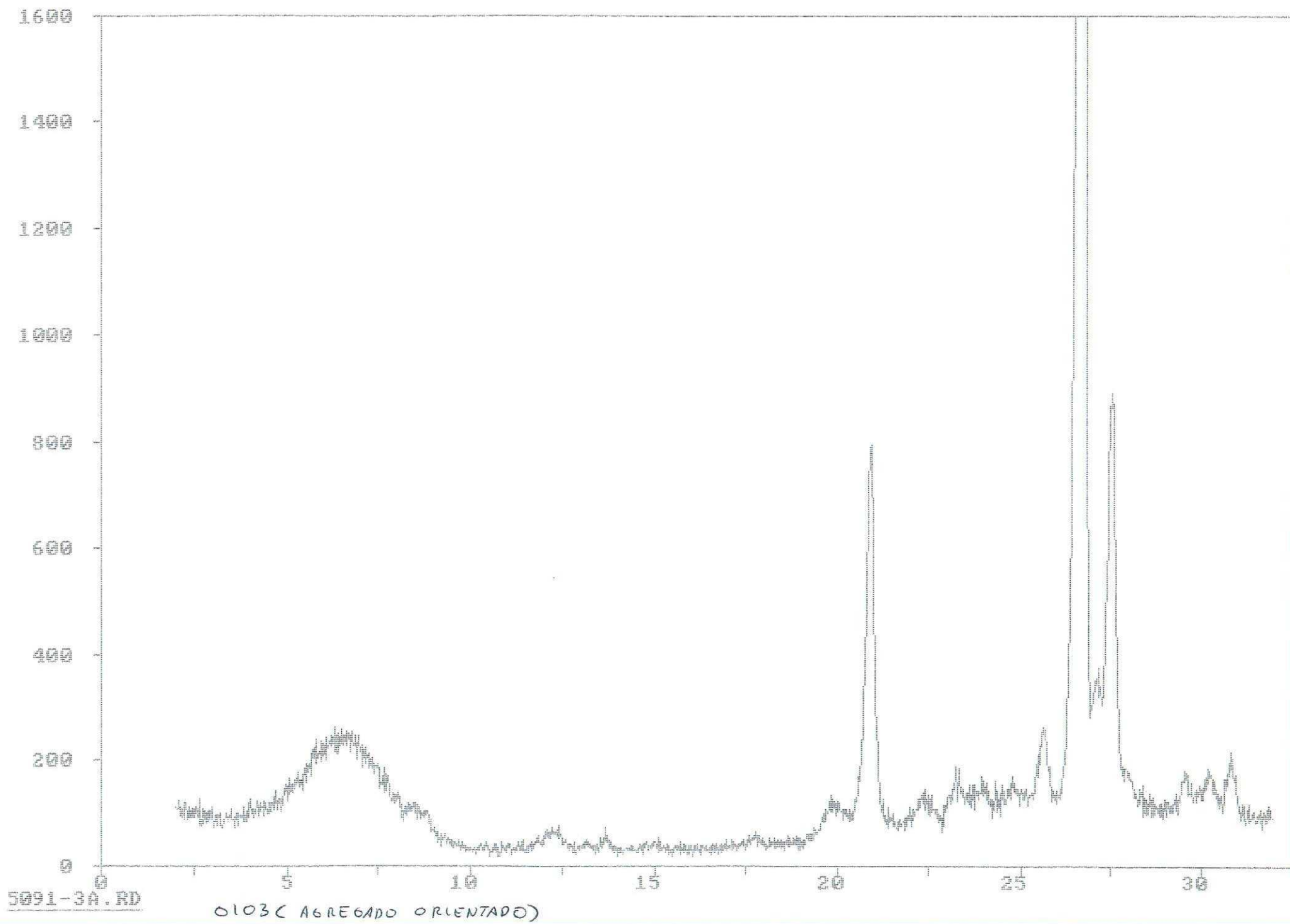
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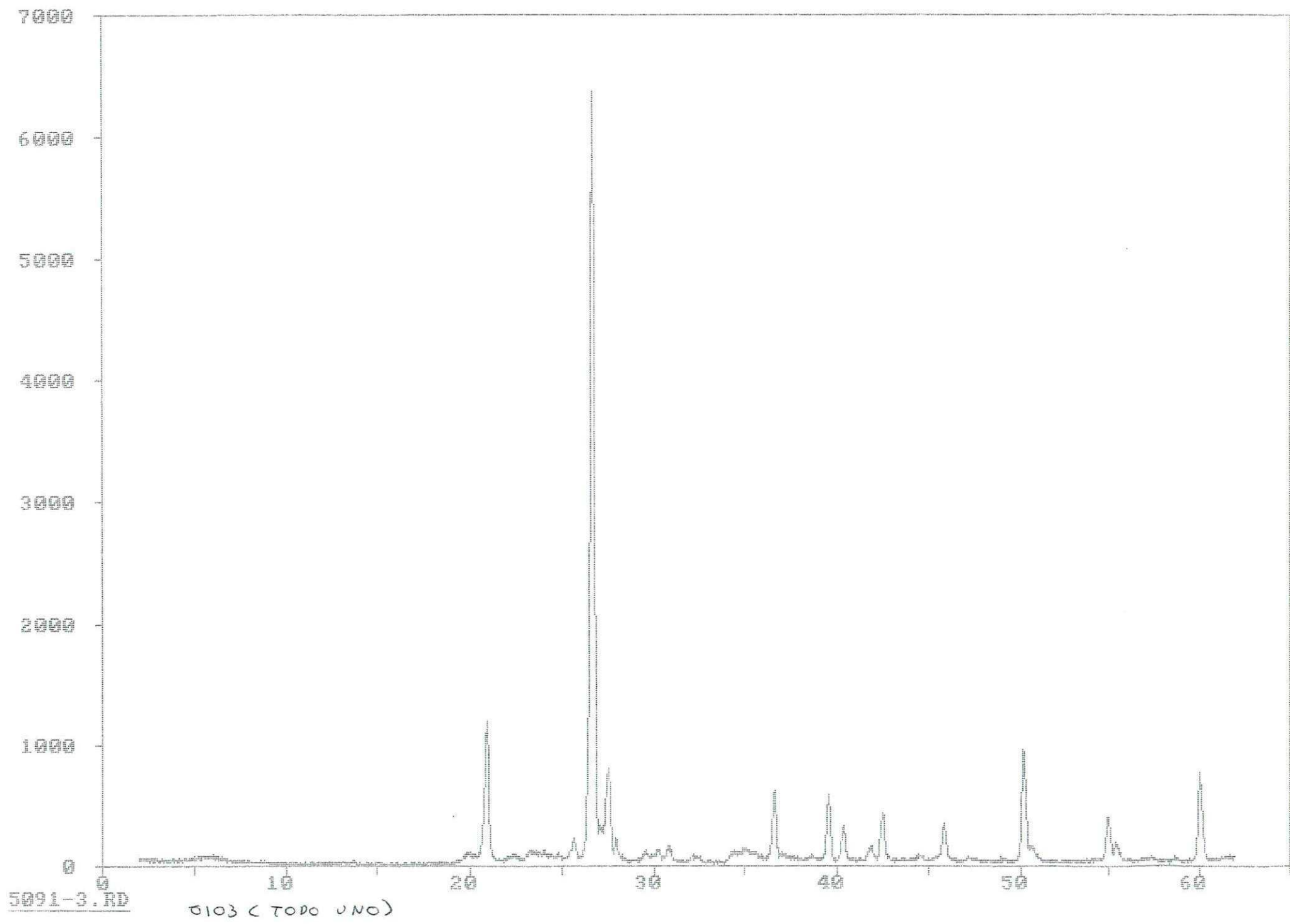
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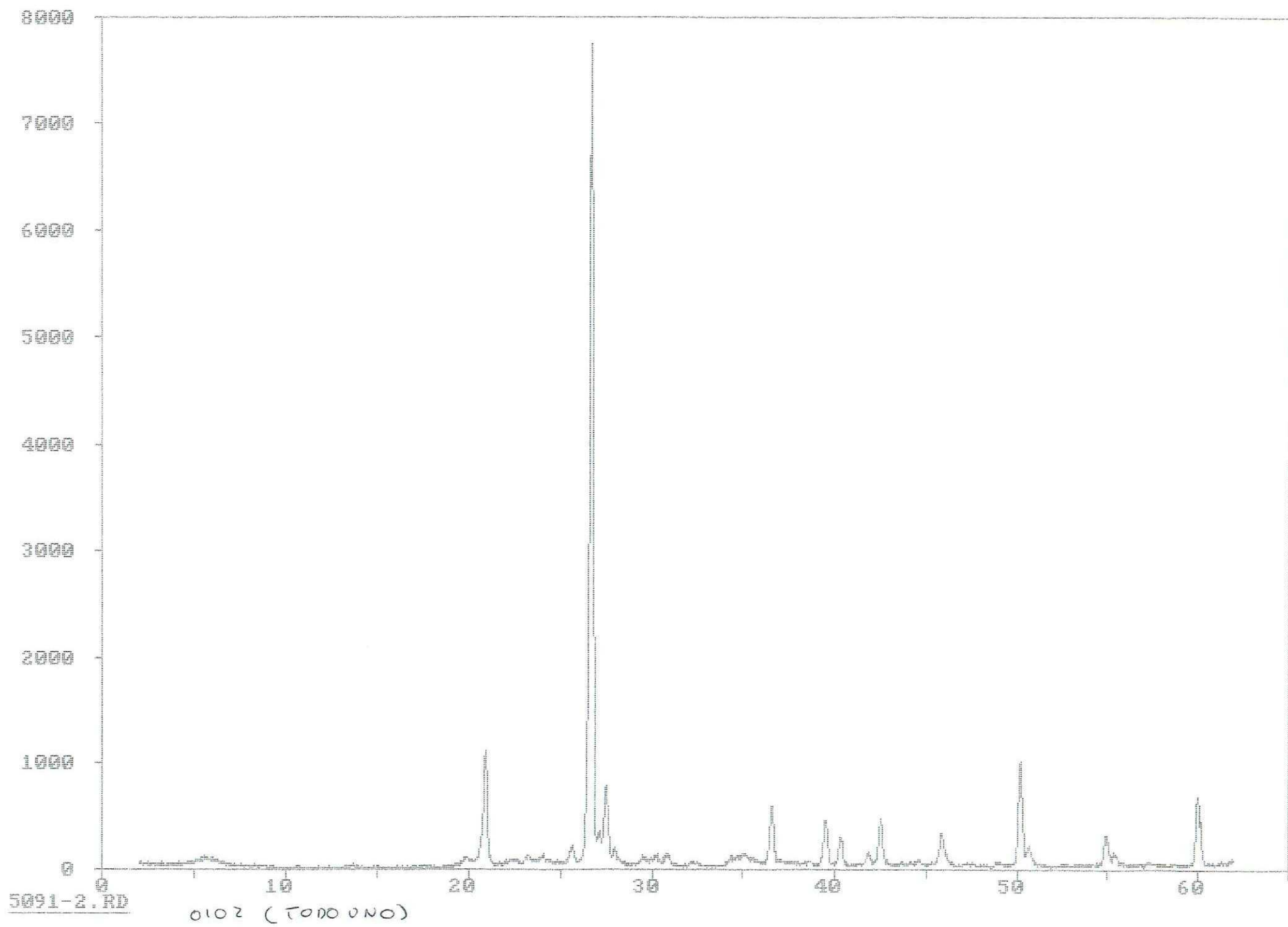
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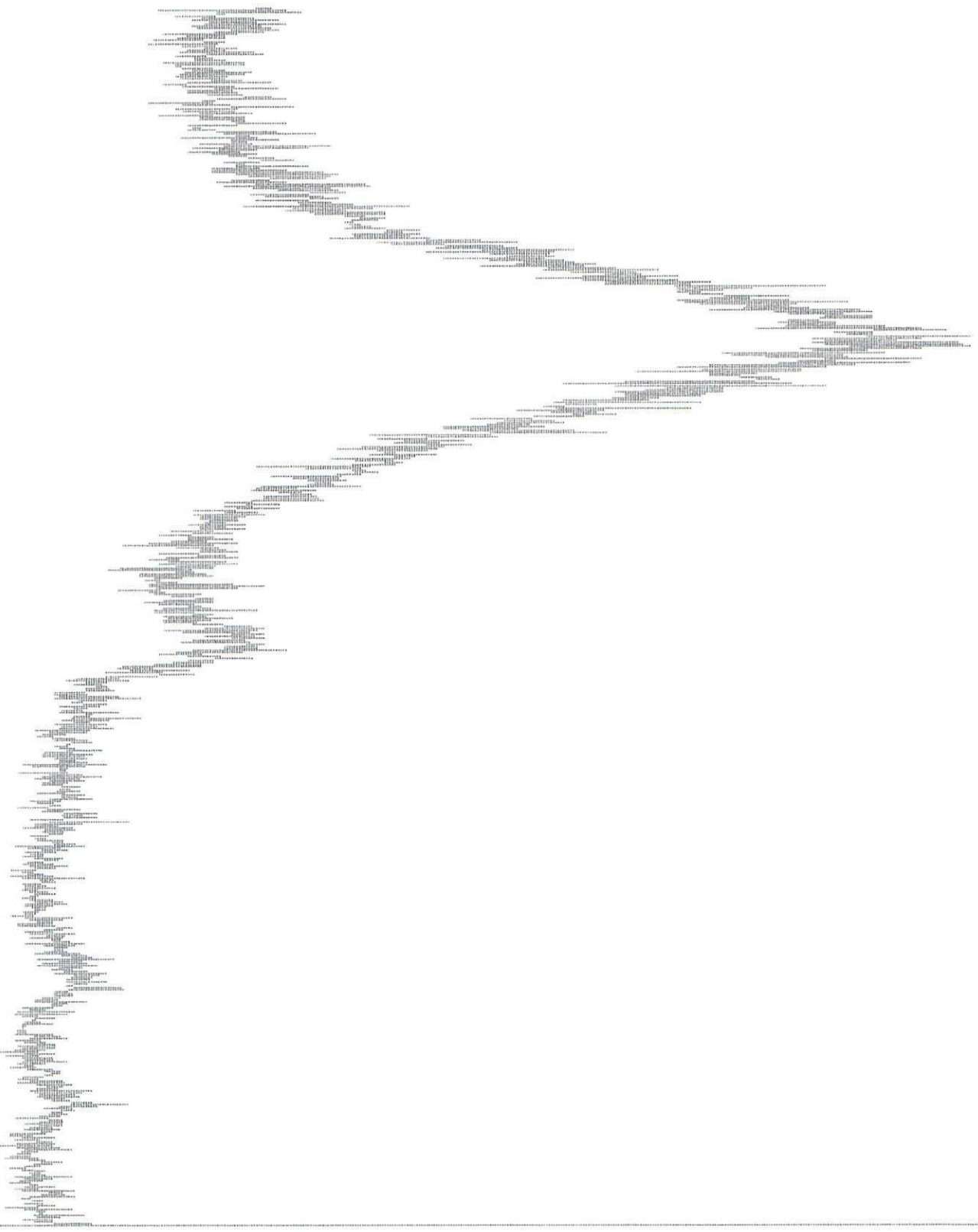
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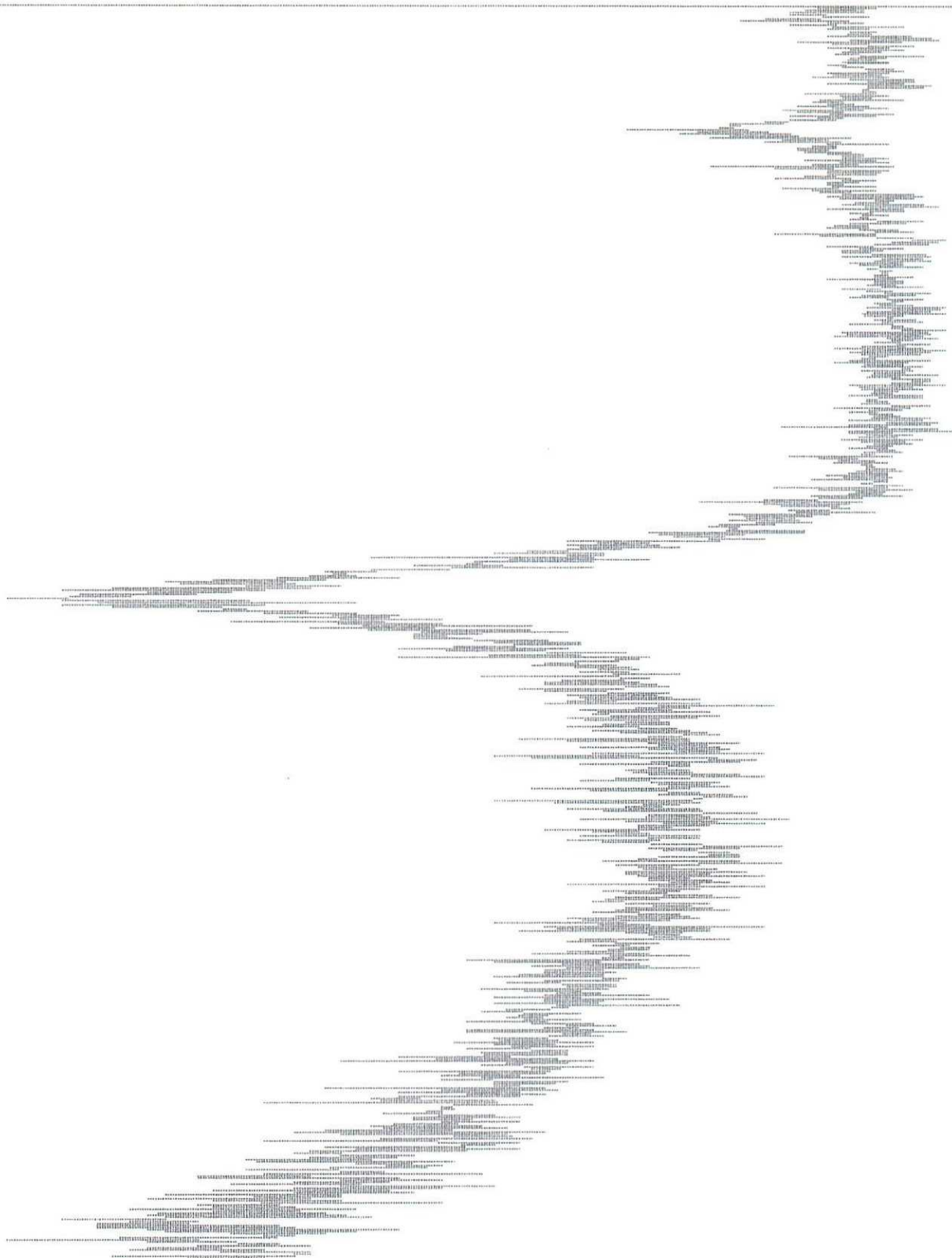
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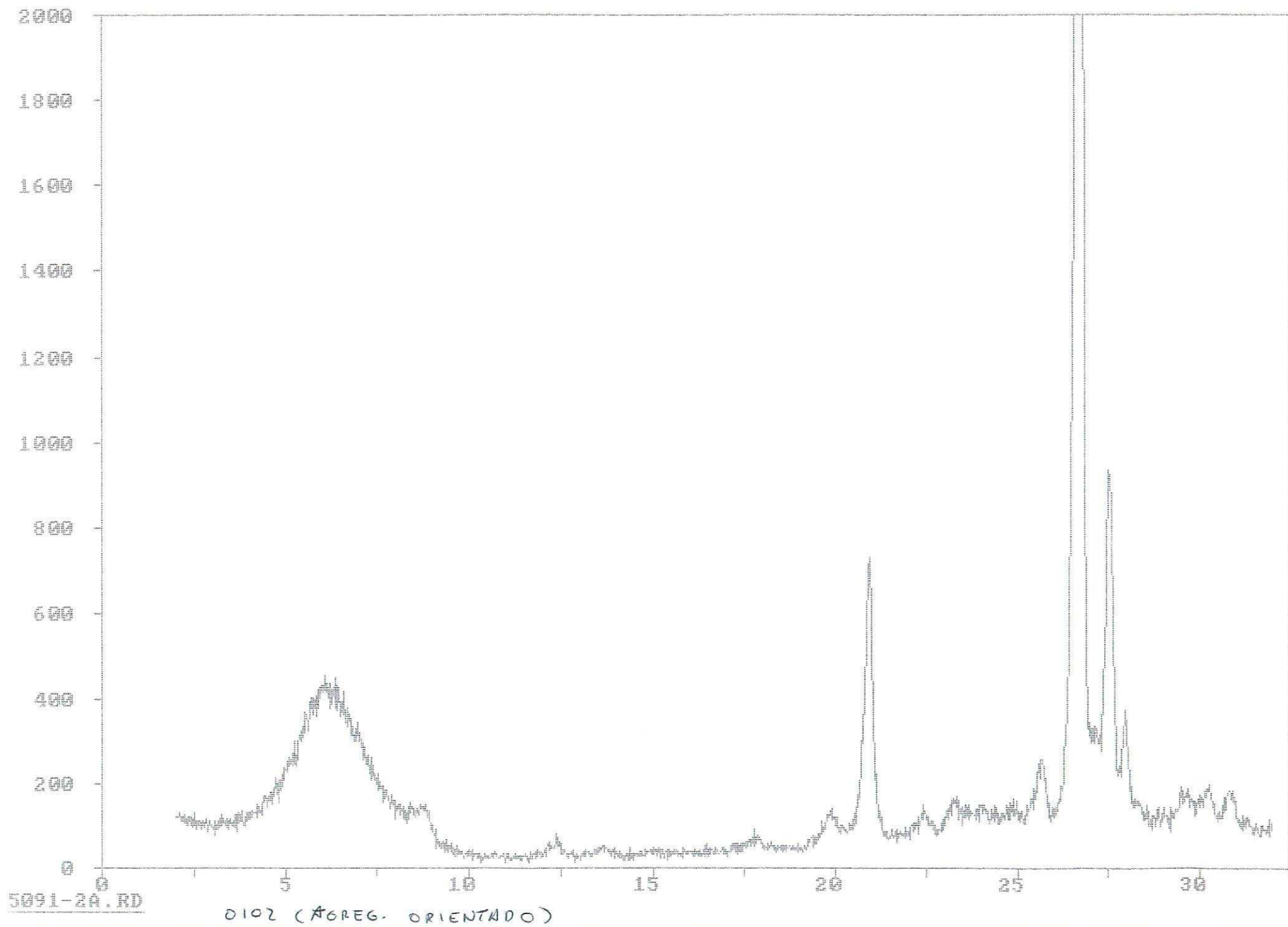
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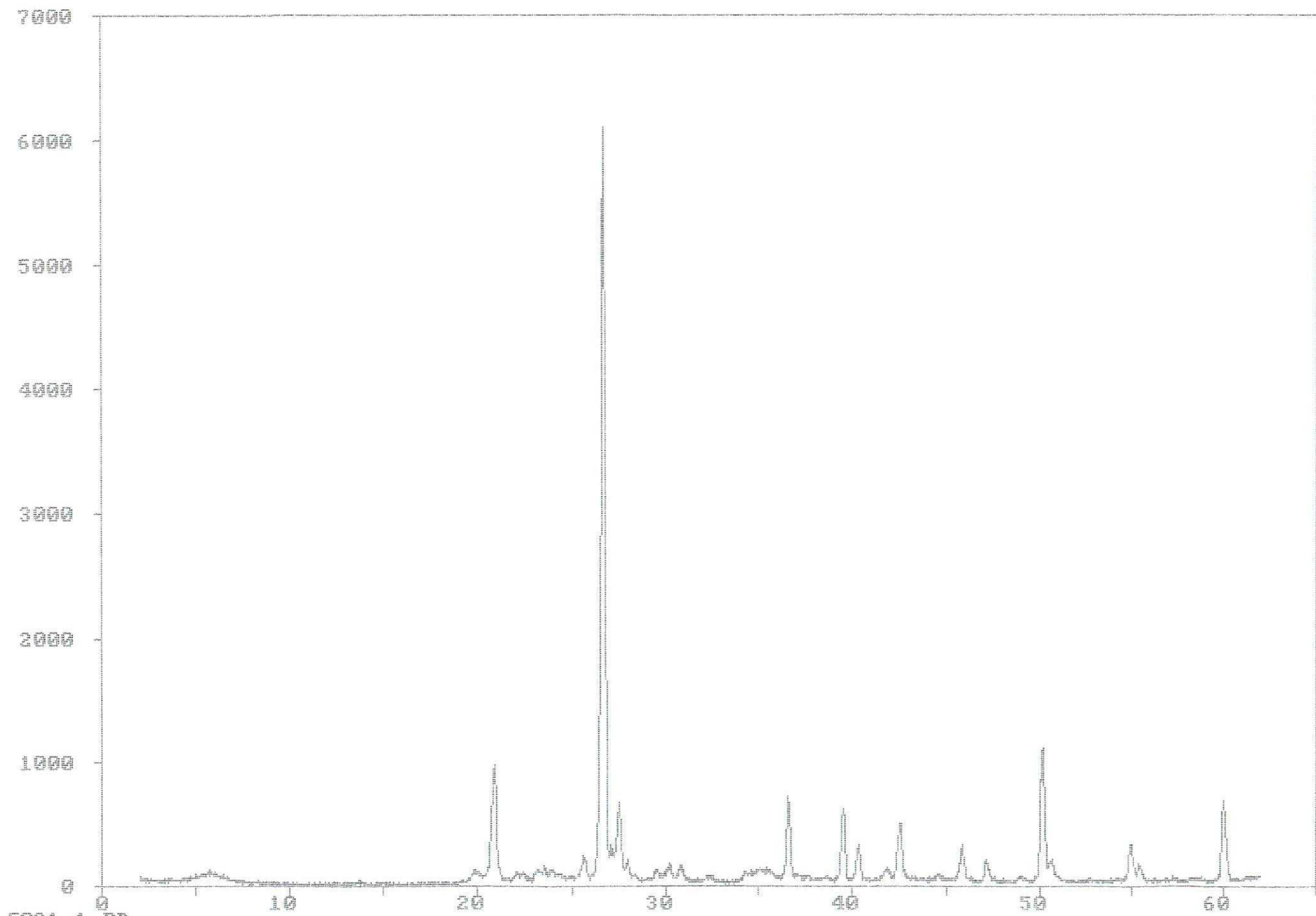
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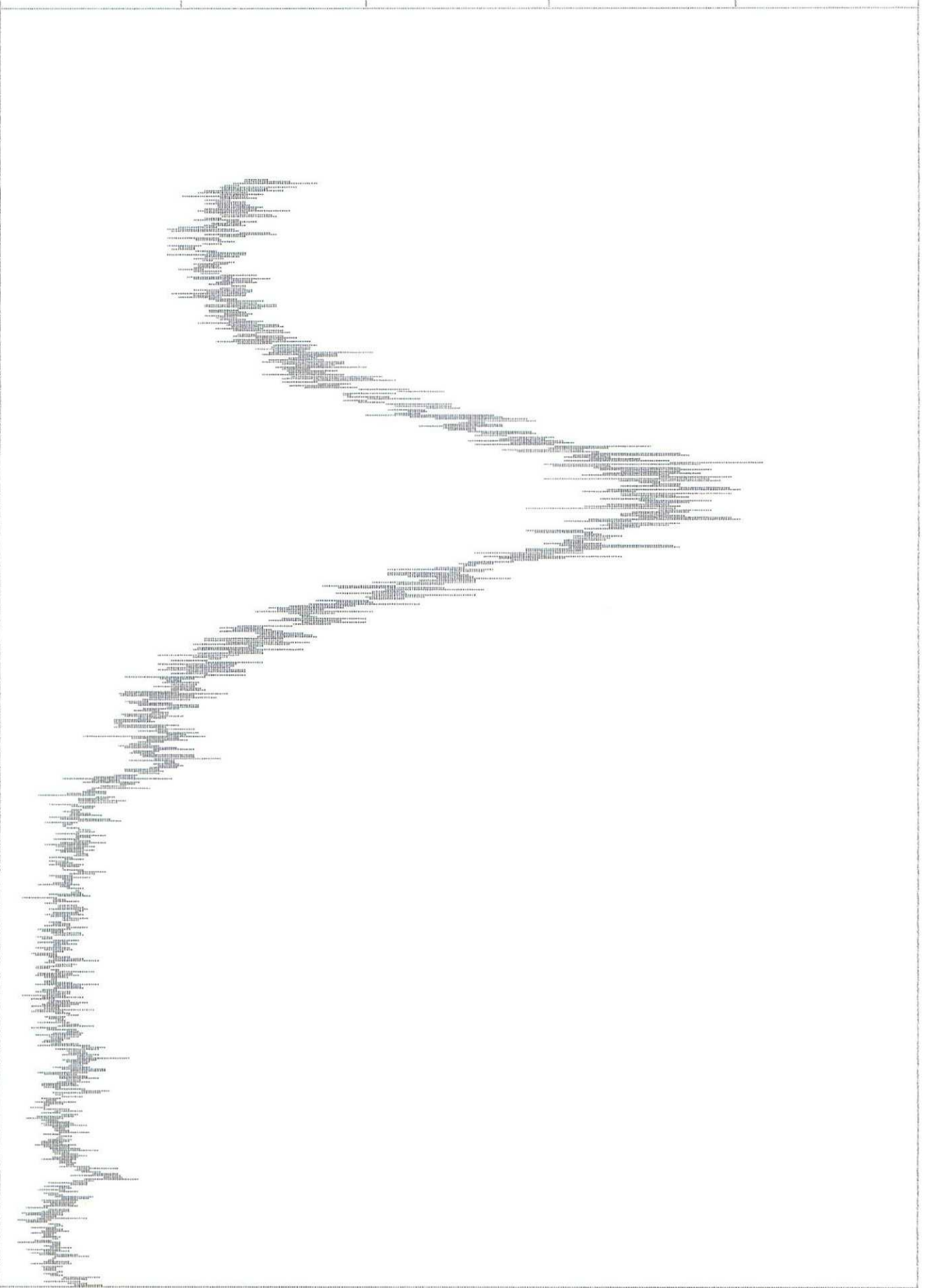
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0101 (TEPMCO) 550°C

This image shows a single page of a document that is almost entirely illegible due to extreme blurriness and low contrast. The text is arranged in several large blocks, with some lines appearing as faint horizontal streaks. There are no discernible figures, tables, or specific data points. The overall appearance is that of a very poor quality scan of a printed document.

