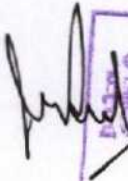




LABORATORIO DEL ITGE.

C/LA CALERA, 1. 28760 -TRES CANTOS (MADRID) Tf. 8032200. FAX 8036200

INFORME DE LABORATORIO Nº 98/285		Hoja 1 de 5
Solicitante: D ^a Rosa Mediavilla.Dirección de Geología. ITGE Dirección:		
Teléfono:		Fax:
Fecha recepción: 25/06/98		Fechas de ensayo: Julio/Octubre/98
Muestreo: A cargo del solicitante		
Procedimiento/s de ensayo: ANALISIS POR DIFRACCION DE RAYOS X. Metodo del polvo cristalino y medida en equipo Philips PW-1700. Tubo de Cobre, monocromador de Grafito y rendija automática. De las muestras con contenido en arcillas se ha efectuado agregado orientado que se ha sometido a pruebas de hinchamiento con etilenglicol en fase de vapor y de colapsamiento a 550°C (Diagramas: Agregado, E y T).		
Observaciones: Se adjuntan diagramas de DRX. Las laminas delgadas se entregaron el 28/07/98		
Los resultados expuestos afectan en exclusiva a las muestras sometidas a ensayo. La reproducción parcial de este informe sólo podrá realizarse con la autorización escrita del Laboratorio del ITGE.		
Fecha: Tres Cantos, 28 de Octubre de 1998 El Coordinador General Laboratorios   Fdo., Juan Antonio Martín Rubí		

Las muestras quedarán a disposición del solicitante durante un periodo de tres meses siguientes a la emisión de este informe, a partir de los cuales podrán ser eliminadas.



ANALISIS POR DIFRACCION DE RAYOS X

MUESTRA	MINERAL PRINCIPAL	MINERALES SECUNDARIOS	ACCESORIOS Y TRAZAS	FRACCION ARCILLA		
				CONTENIDO	MINERAL PRINCIPAL	OTROS MINERALES
19-25ITRM9020	CALCITA	--	CUARZO (Trazas)	TRAZAS	ESMECTITA, MICA	--
19-25ITRM9021	CALCITA	--	CUARZO	TRAZAS	ESMECTITA, MICA	--
19-25ITRM9022	CALCITA, YESO	CUARZO, FELD.POTASICO	--	MEDIO	ESMECTITA	MICA
19-25ITRM9024	YESO	--	CURAZO (Trazas)	--	--	--
19-25ITRM9025	YESO	CALCITA	CUARZO (Trazas)	TRAZAS	MICA	--
19-25ITRM0201	CUARZO	FELDESPATOS	YESO	MEDIO/ALTO	ESMECTITA, MICA	CAOLIN
19-25ITRM0202	CUARZO	FELDESPATOS	CALCITA	ALTO	ESMECTITA, MICA	CAOLIN
19-25ITRM0203	YESO	CUARZO	FELDESPATOS	BAJO	MICA	ESMECTITA, CAOLIN
19-25ITRM0204	YESO	CUARZO	FELDESPATOS	MEDIO/BAJO	MICA, CAOLIN	ESMECTITA
19-25ITRM0205	CUARZO, YESO	--	--	MEDIO	MICA, CAOLIN	ESMECTITA
19-25ITRM0206	YESO	--	--	TRAZAS	MICA	--
19-25ITRM0207	CUARZO	--	PLAGIOCLASAS	MEDIO	MICA, PLYGORSKITA	CAOLIN
19-25ITRM0208	DOLOMITA	CUARZO	YESO (Trazas)	BAJO	MICA, PLYGORSKITA	--
19-25ITRM0209	YESO	--	--	--	--	--





MUESTRA	MINERAL PRINCIPAL	MINERALES SECUNDARIOS	ACCESORIOS Y TRAZAS	FRACCION ARCILLA		
				CONTENIDO	MINERAL PRINCIPAL	OTROS MINERALES
19-25ITRM0210	YESO	DOLOMITA	--	TRAZAS	SEPIOLITA	--
19-25ITRM0211	YESO	DOLOMITA	FELDESPATOS (Trazas)	TRAZAS	SEPIOLITA	--
19-25ITRM0213	YESO	--	CUARZO (Trazas)	TRAZAS	MICA	--
19-25ITRM0301	CUARZO	FELDESPATOS	--	MEDIO	MICA, CAOLIN	CLORITA/VERMICULITA
19-25ITRM0302	YESO	--	CUARZO (Trazas)	TRAZAS	MICA	--
19-25ITRM0305	CUARZO, YESO	--	--	MEDIO/ALTO	MICA, CAOLIN	ESMECTITA
19-25ITRM0306	YESO	CUARZO	--	MEDIO	MICA	CAOLIN, ESMECTITA (1)
19-25ITRM0307	YESO	--	CUARZO	TRAZAS	MICA	--
19-25ITRM0308	YESO	--	CUARZO	BAJO	MICA	--
19-25ITRM0309	YESO	--	CUARZO (Trazas)	TRAZAS	MICA	--
19-25ITRM0310	CUARZO	YESO, FELDESPATOS	--	MEDIO	MICA, ESMECTITA	CAOLIN
19-25ITRM0311	YESO	CALCITA	CUARZO	BAJO	MICA	ESMECTITA
19-25ITRM0312	YESO	CALCITA	CUARZO (Trazas)	TRAZAS	MICA	--
19-25ITRM0313	YESO	CALCITA	CUARZO	TRAZAS	MICA, PLYGORSKITA	--
19-25ITRM0401	YESO	CALCITA	CUARZO	TRAZAS	MICA	--





INFORME DE LABORATORIO Nº 98/285

Hoja 4 de 4

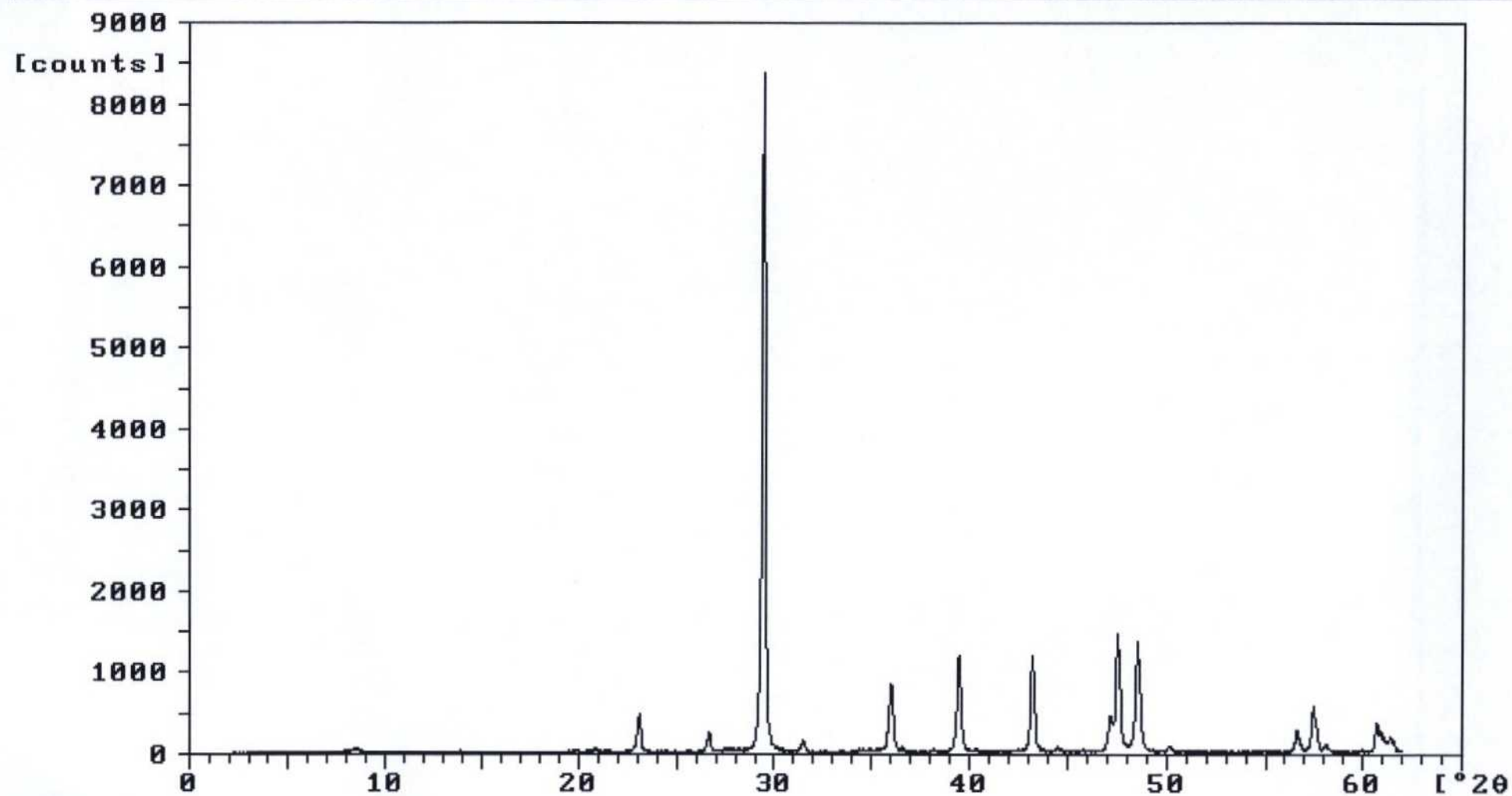
MUESTRA	MINERAL PRINCIPAL	MINERALES SECUNDARIOS	ACCESORIOS Y TRAZAS	FRACCION ARCILLA		
				CONTENIDO	MINERAL PRINCIPAL	OTROS MINERALES
19-25ITRM0403	YESO	CALCITA	CUARZO (Trazas)	TRAZAS	MICA	--
19-25ITRM0404	YESO	CALCITA	CUARZO (Trazas)	TRAZAS	MICA	--
19-25ITRM0405	YESO	CALCITA	CUARZO (Trazas)	TRAZAS	MICA	--
19-25ITRM0406	YESO	--	--	--	MICA	--
19-25ITRM0407	YESO	--	--	TRAZAS	--	--
19-25ITRM0408	--	CALCITA	CUARZO	ALTO	SEPIOLITA, PLYGORSKITA	--
19-25ITRM0409	CALCITA	--	YESO	TRAZAS	PLYGORSKITA	--
19-25ITRM0411	CUARZO	--	YESO, FELDESPATOS	MEDIO/BAJO	PLYGORSKITA, MICA	SEPIOLITA (Trazas)
19-25ITRM0412	CALCITA	--	YESO, CUARZO	TRAZAS	PLYGORSKITA	--
19-25ITRM0501	CALCITA	--	CUARZO (Trazas)	TRAZAS	SEPIOLITA	--
19-25ITRM0502	--	CALCITA, DOLOMITA	--	ALTO	SEPIOLITA	MICA (Trazas)
19-25ITRM0503	DOLOMITA	--	CUARZO, CALCITA	BAJO	SEPIOLITA, PLYGORSKITA	--
19-25ITRM0504	--	CUARZO	--	ALTO	SEPIOLITA, PLYGORSKITA	--
19-25ITRM0505	CUARZO, CALCITA	--	FELDESPATOS	MEDIO/ALTO	PLYGORSKITA, MICA	CAOLINITA, ESMECTITA
19-25ITRM0506	CALCITA	--	CUARZO	BAJO	PLYGORSKITA	--

(1) ESMECTITA CON DEBIL HINCHAMIENTO AL TRATAMIENTO CON ETILENGLICOL EN FASE DE VAPOR.



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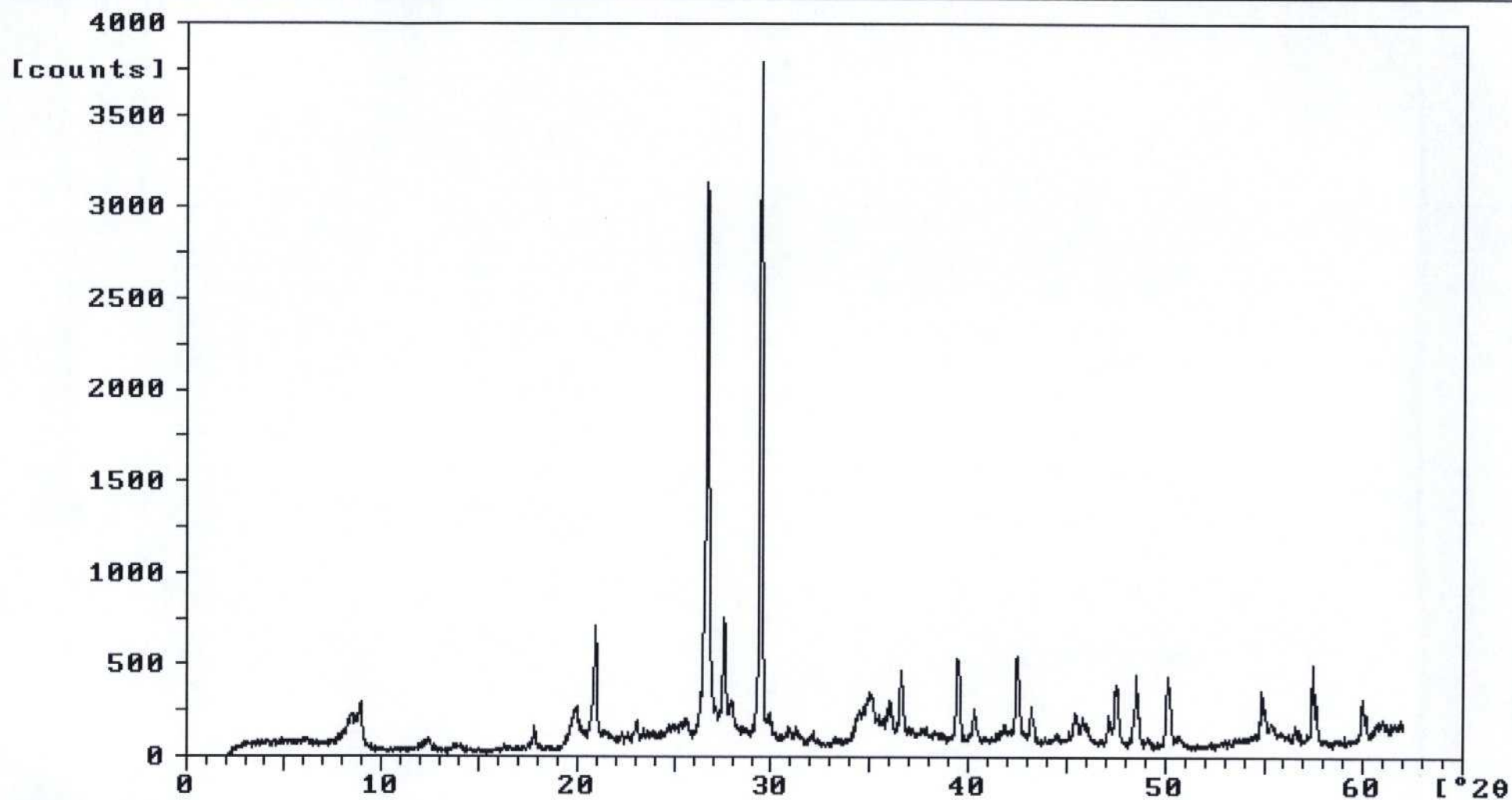
26-Oct-1998 18:14



98285-50.RD

Sample identification: 19.25 ITRM 0505

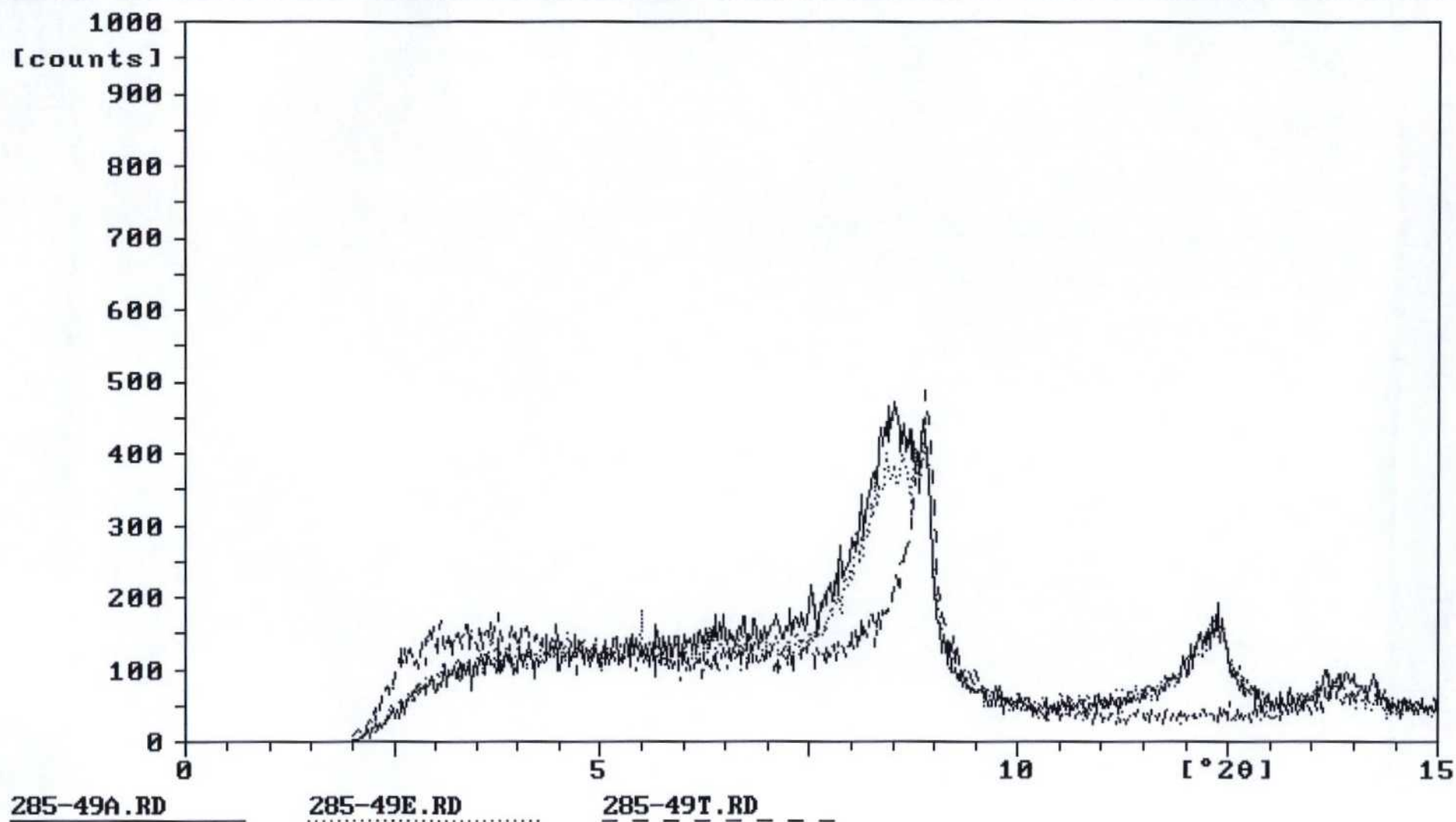
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98285-49.RD

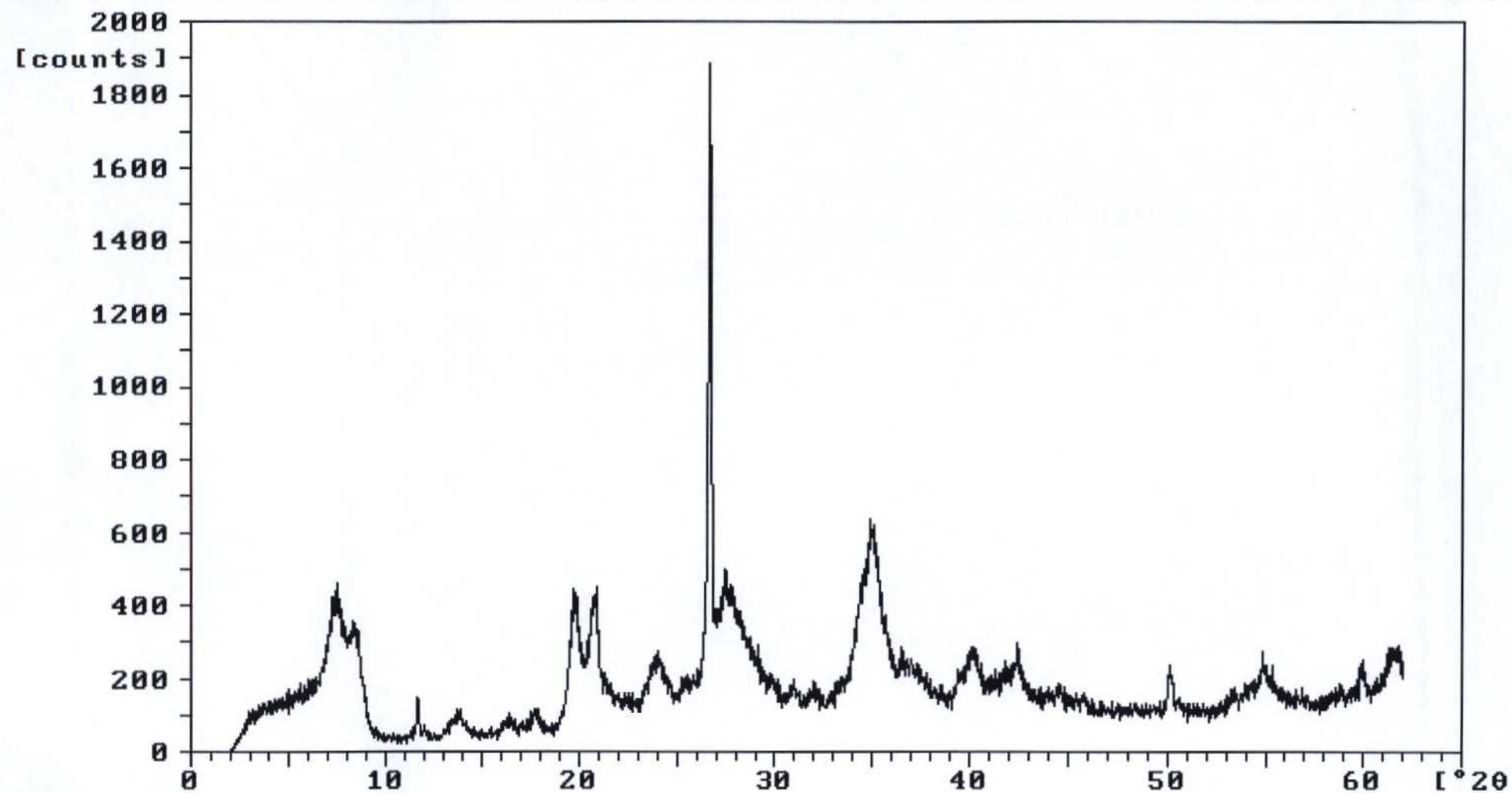
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28-Oct-1998 13:38



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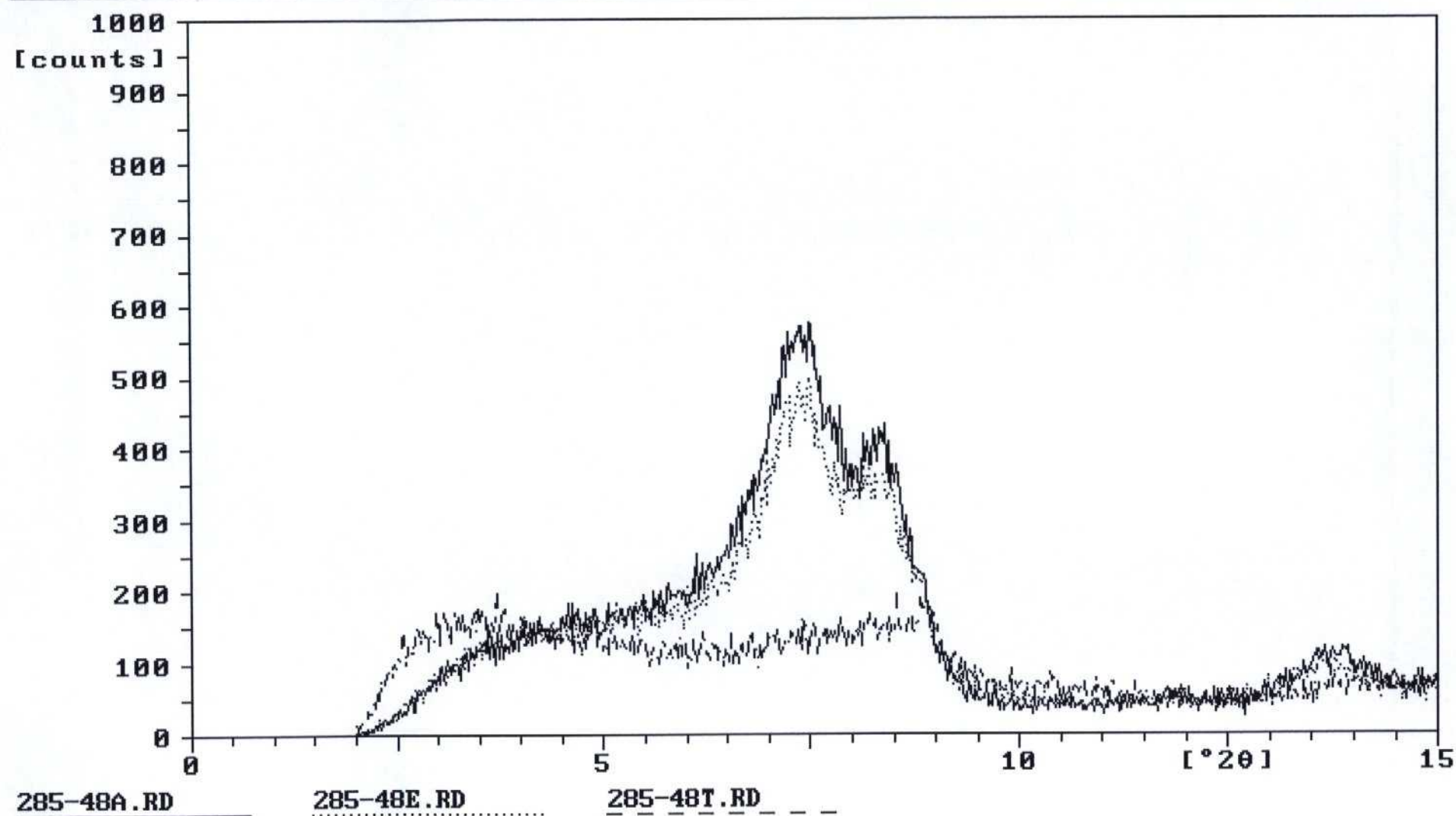
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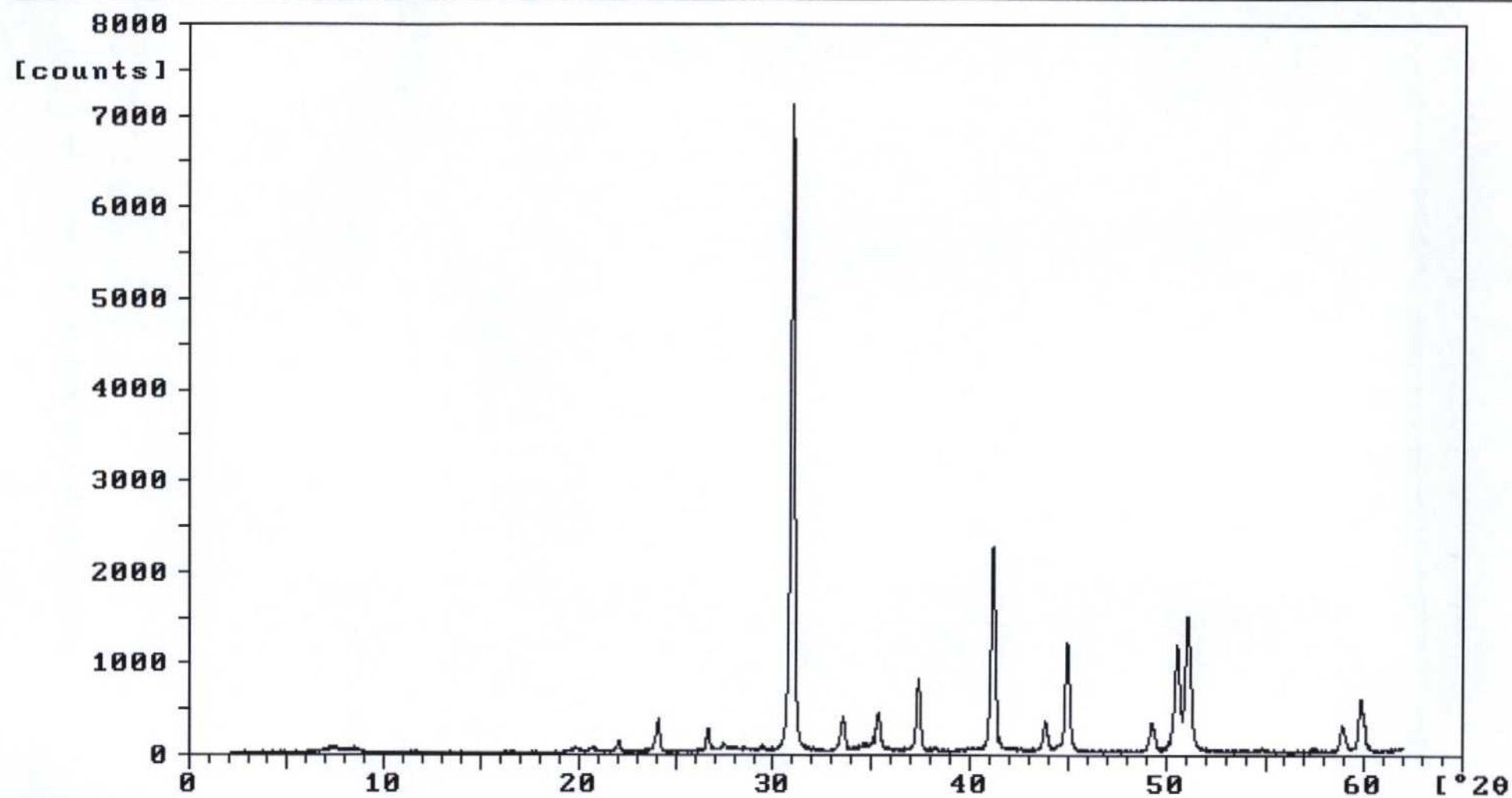
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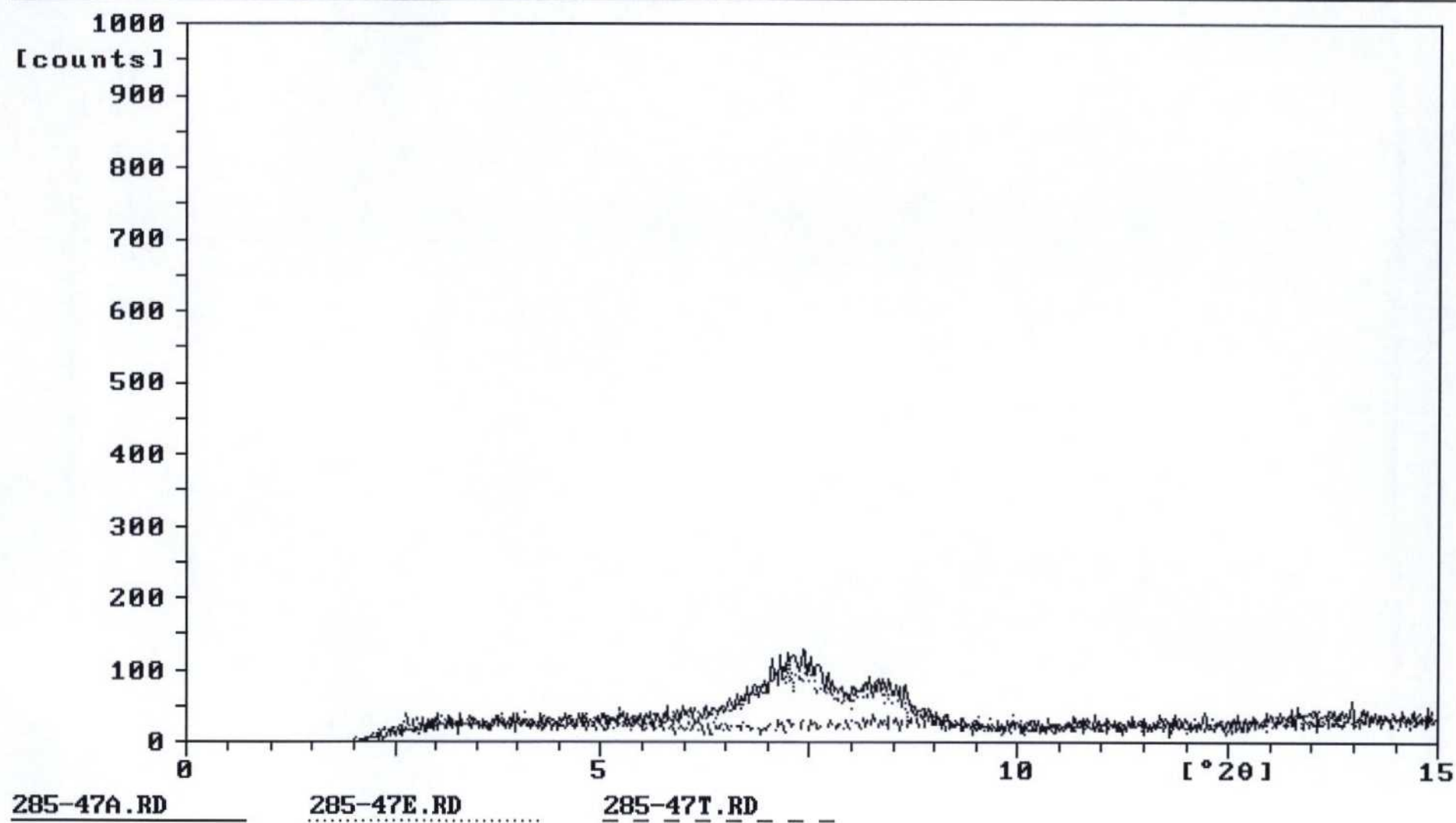
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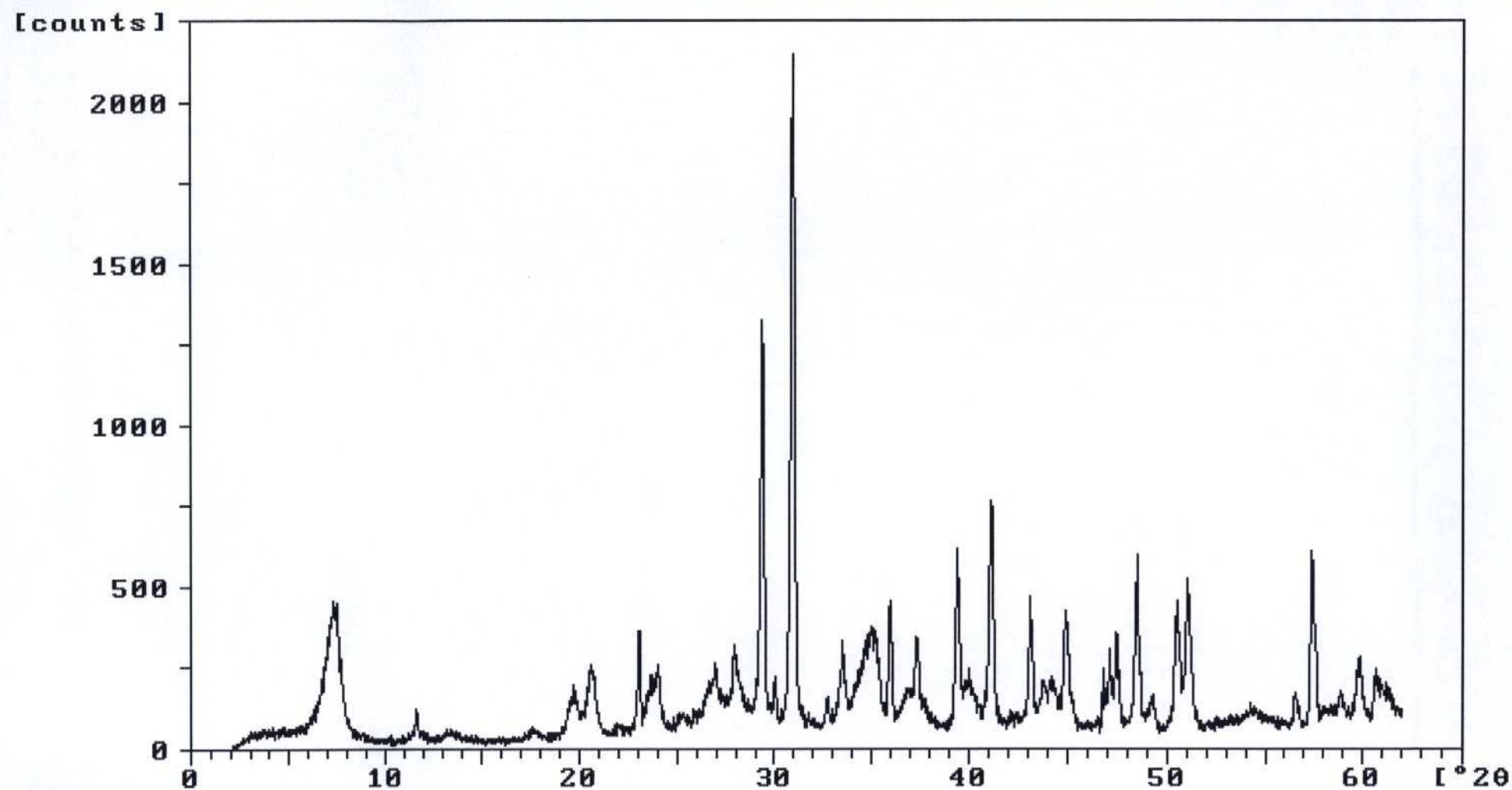
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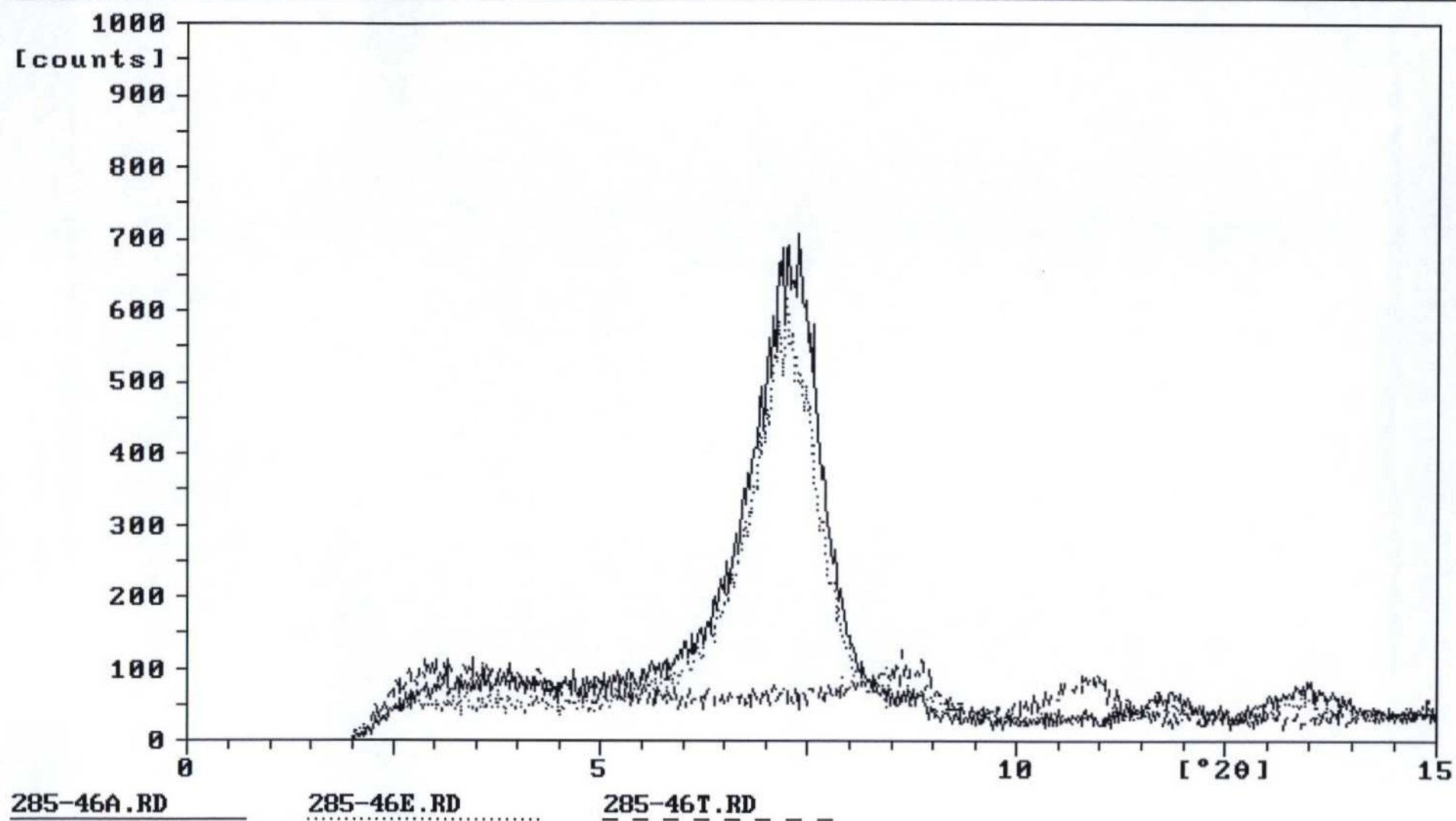
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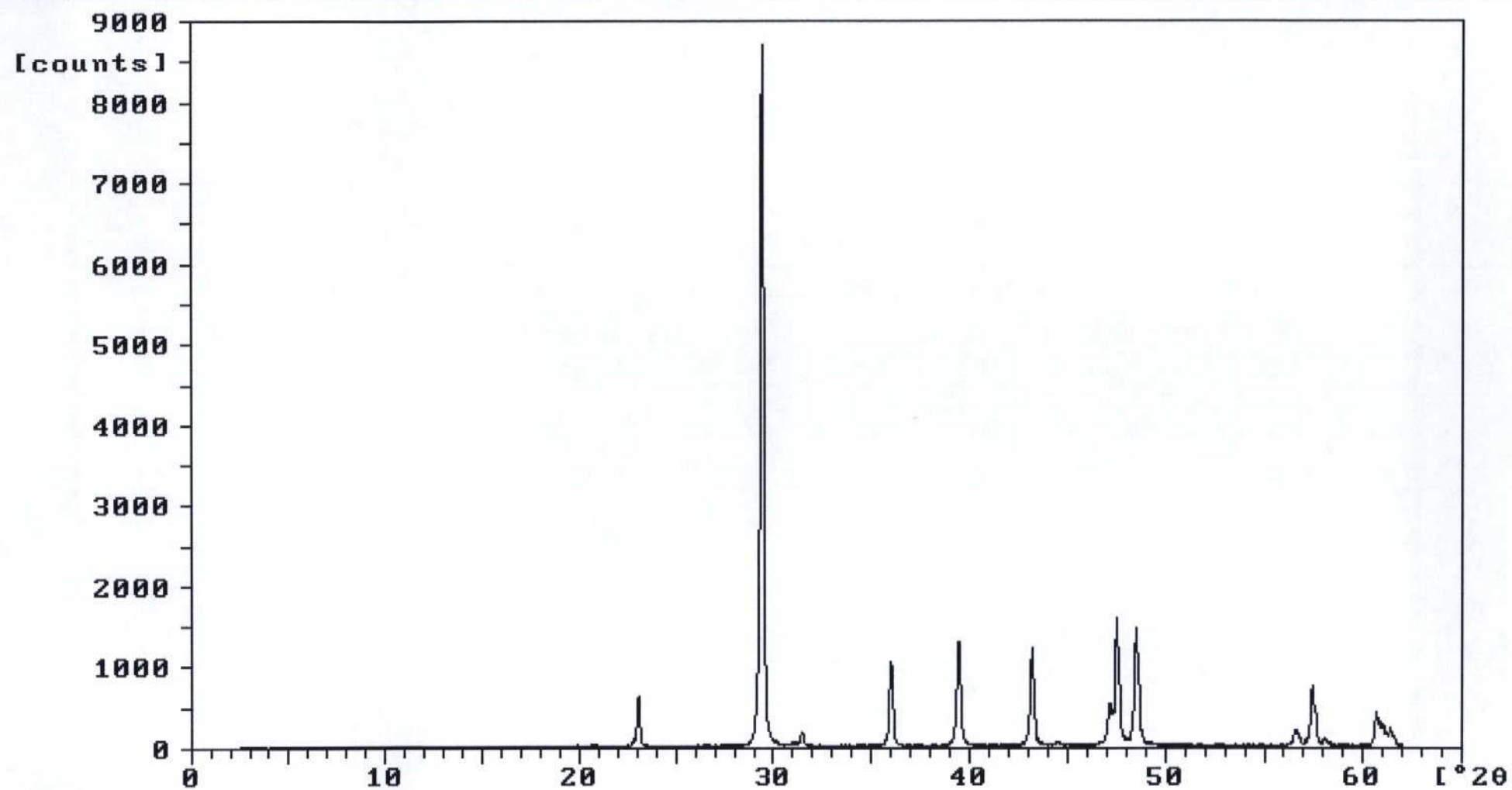
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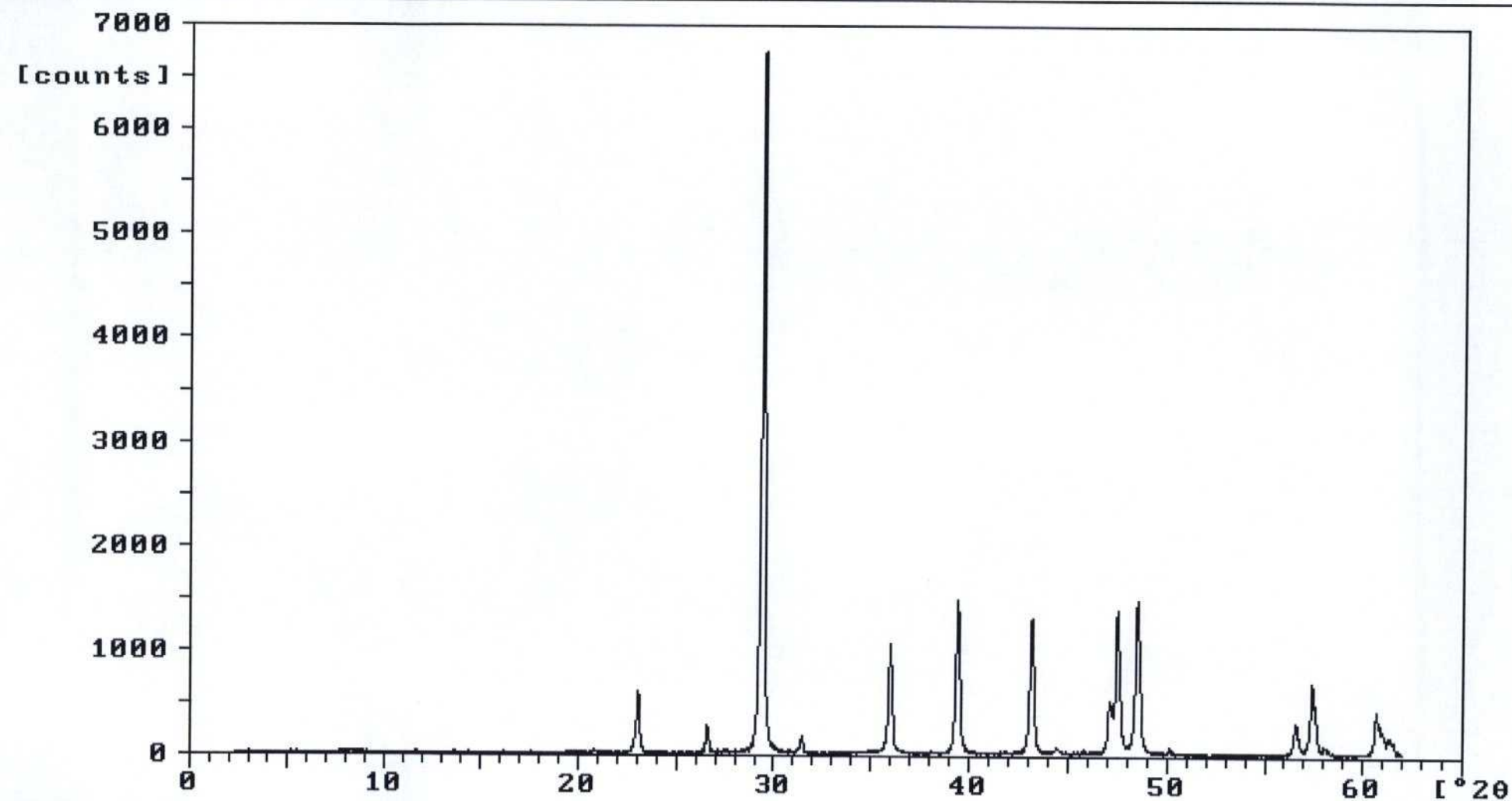
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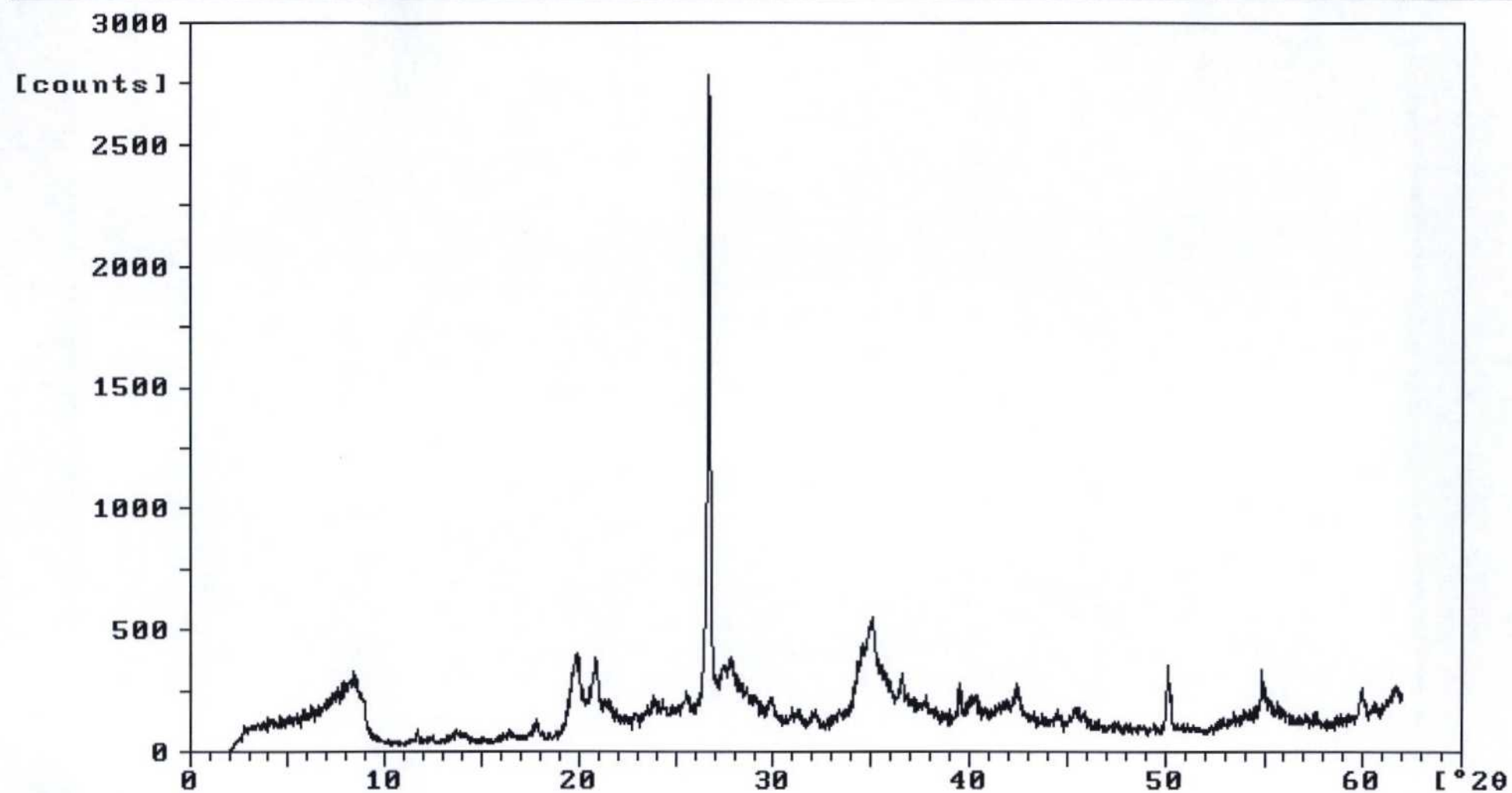
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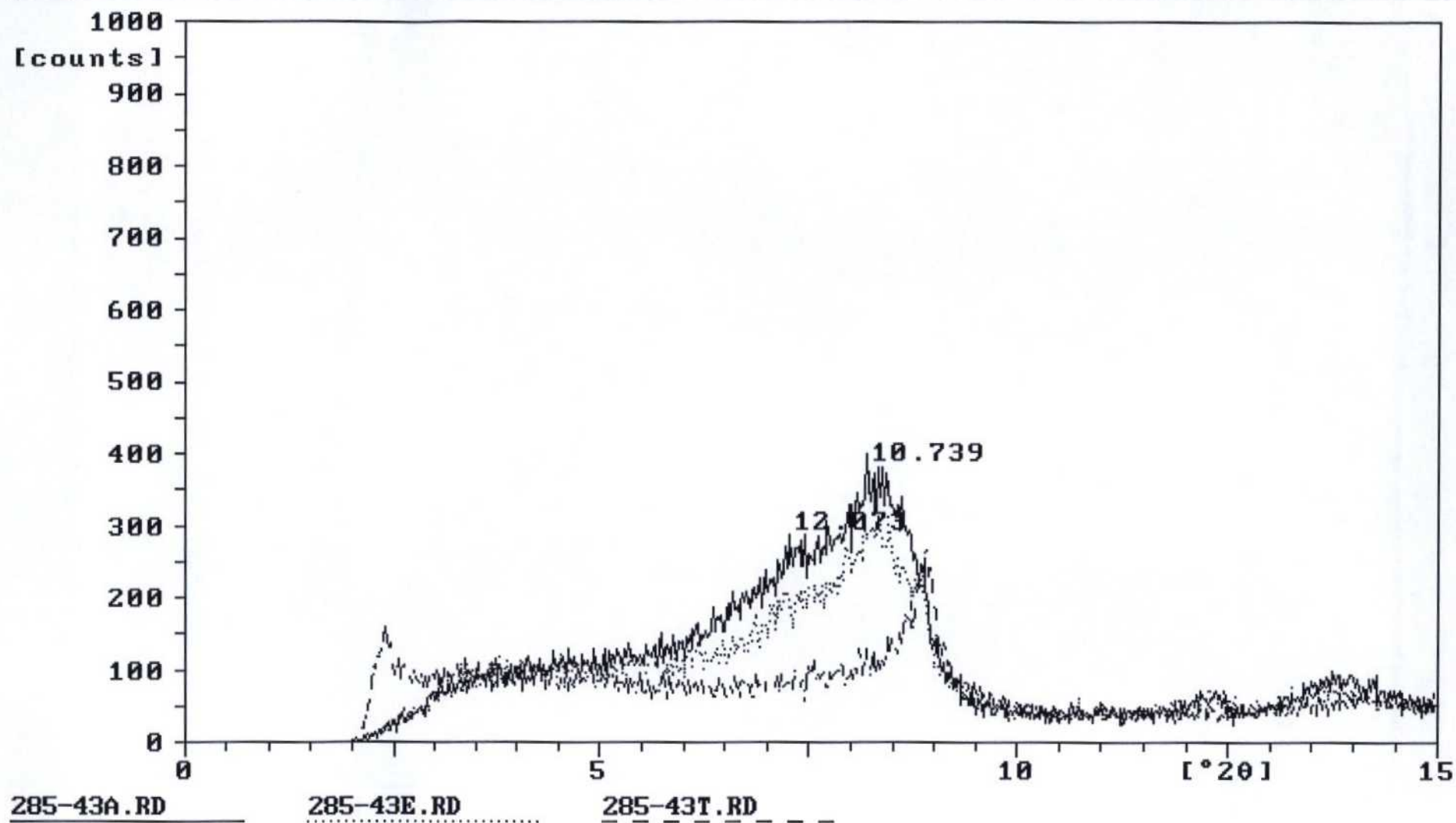
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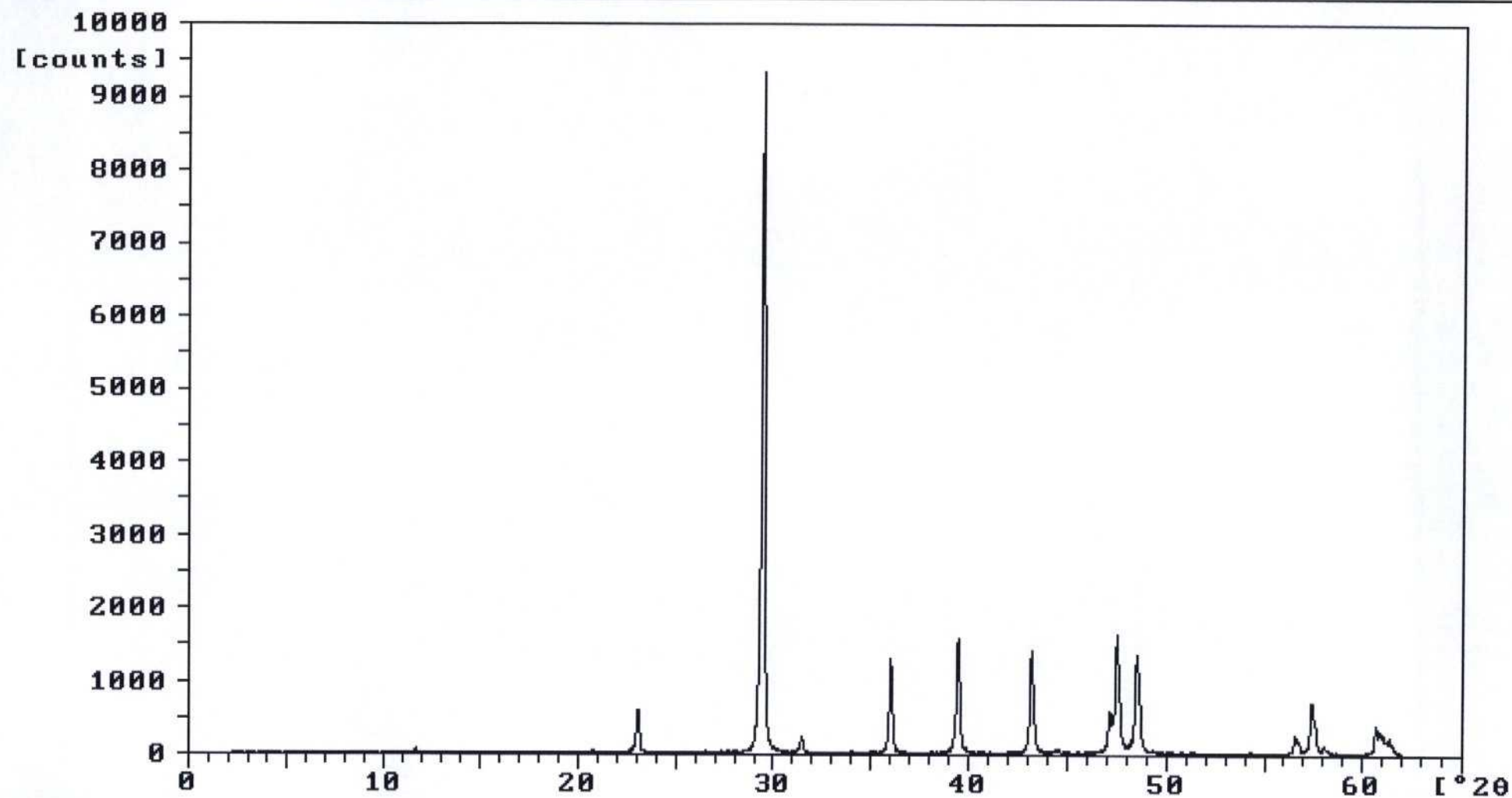
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28-Oct-1998 11:00



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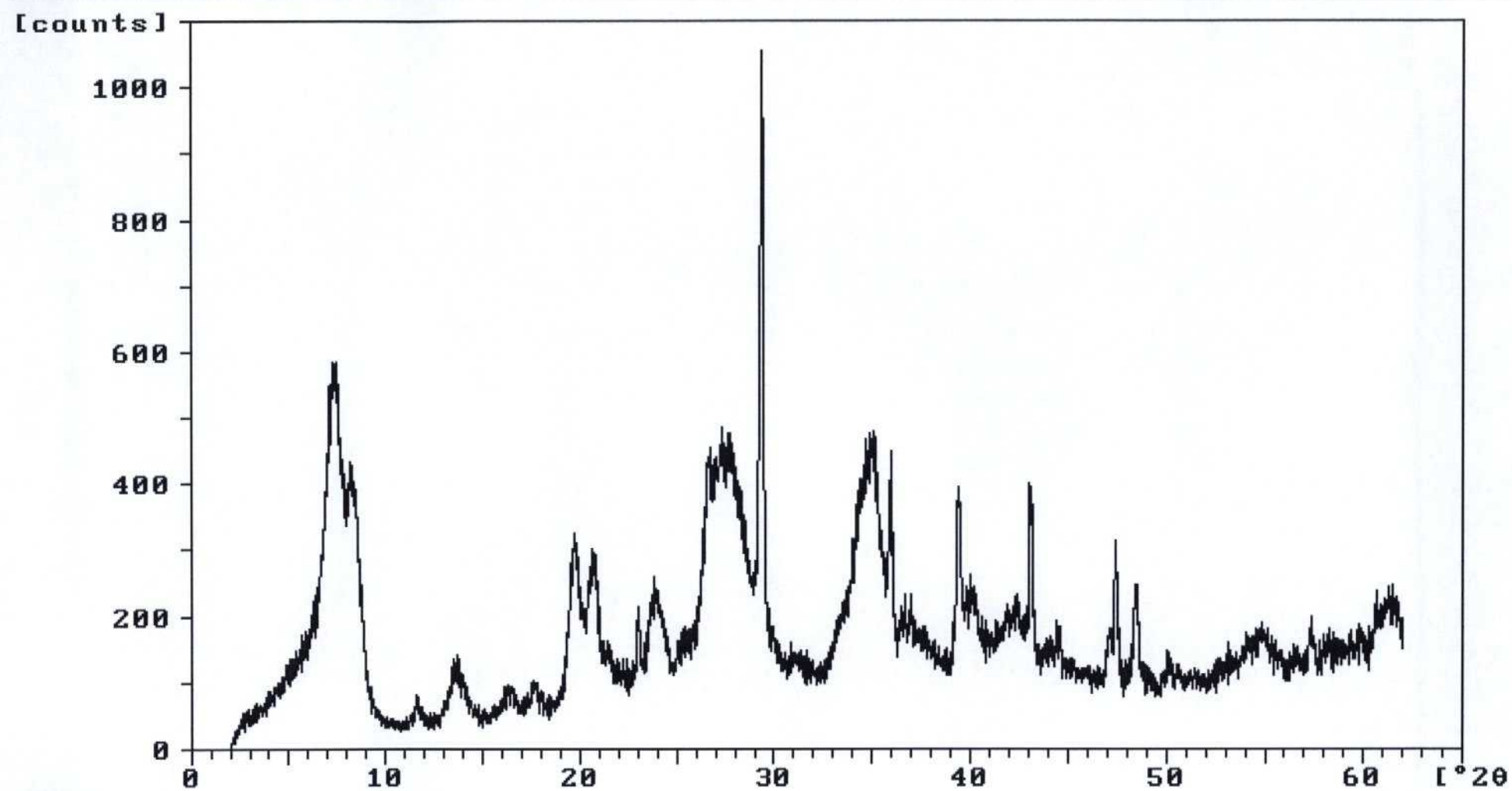
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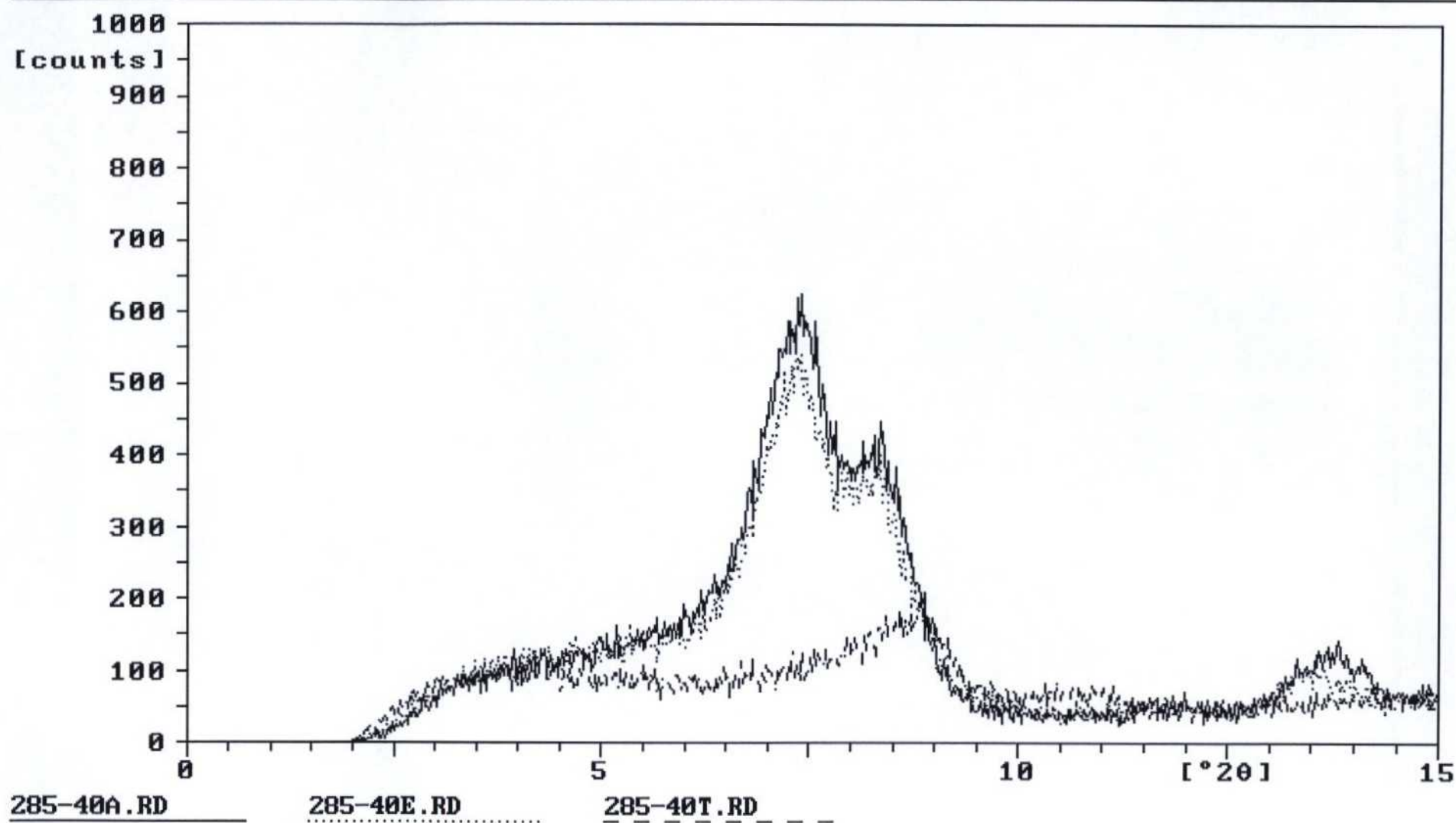
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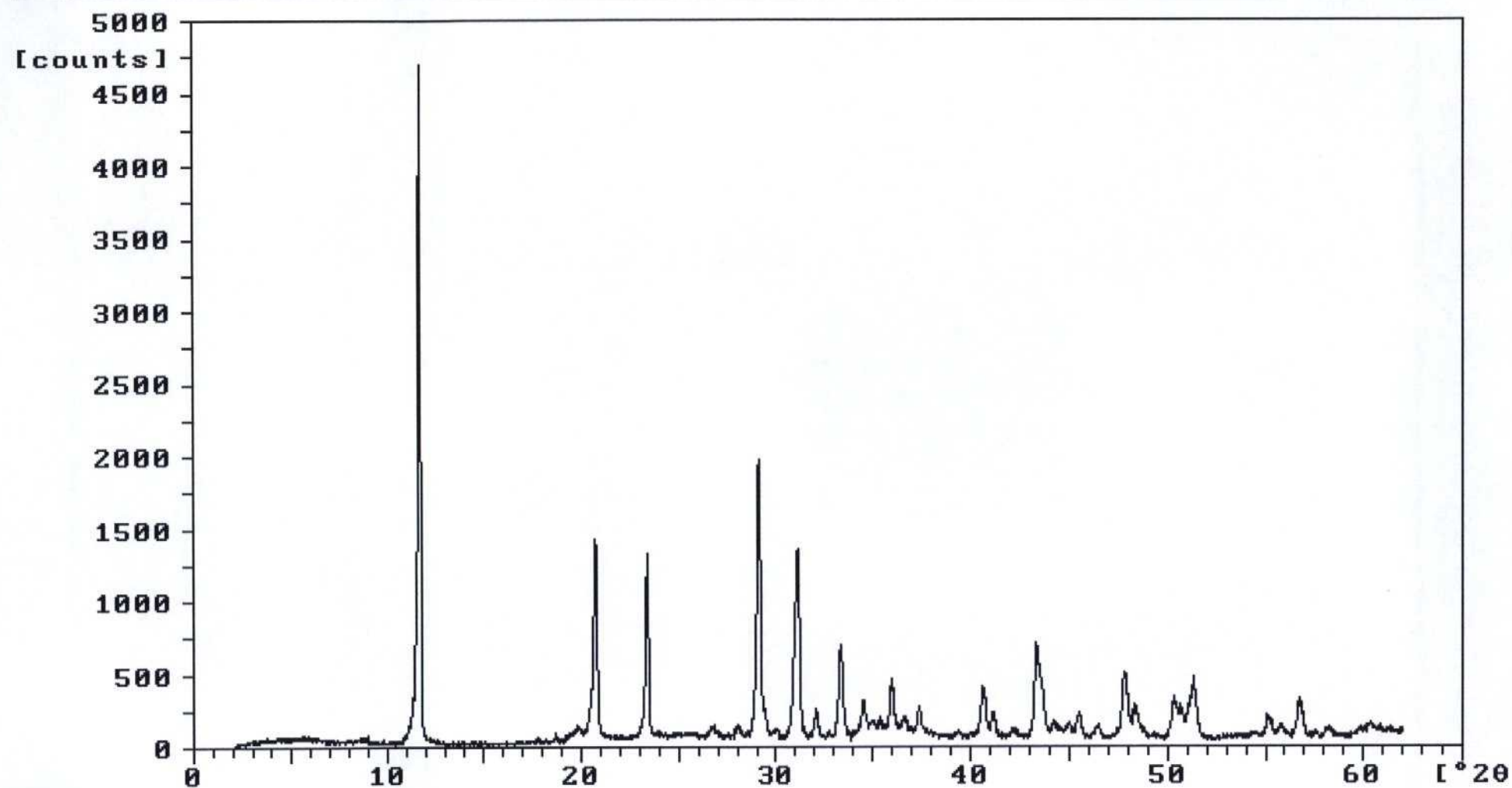
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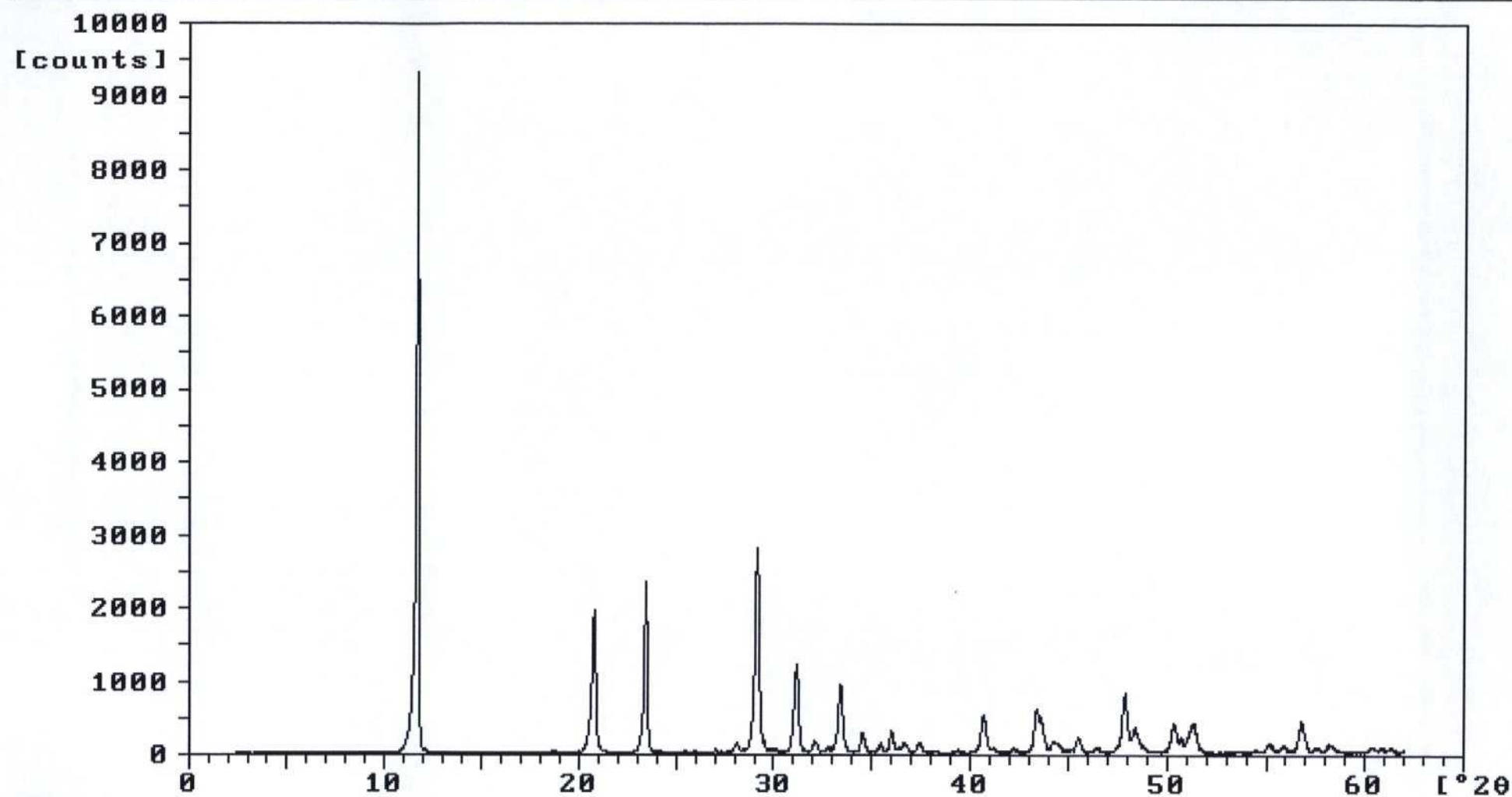
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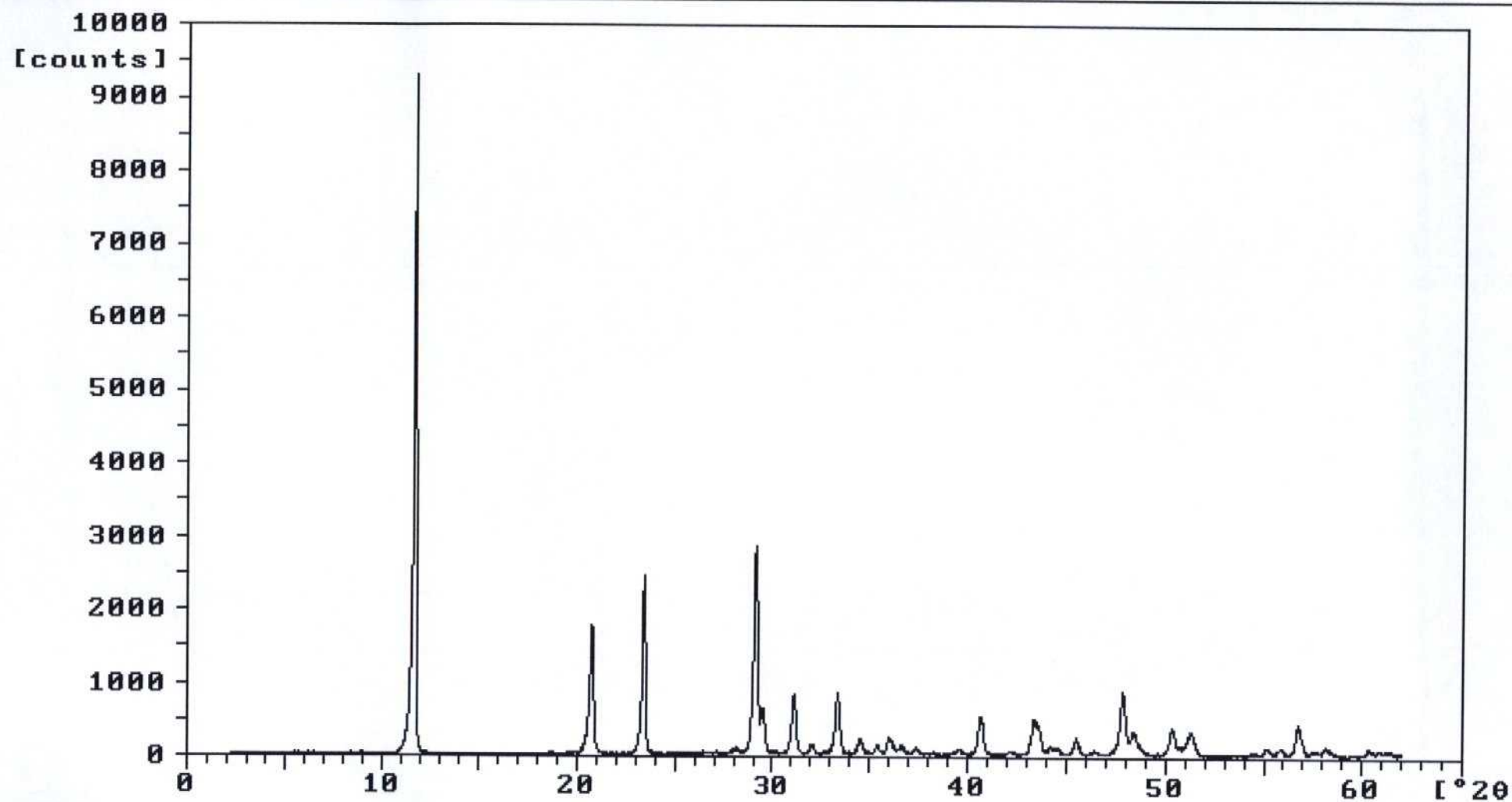
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98285-38.RD

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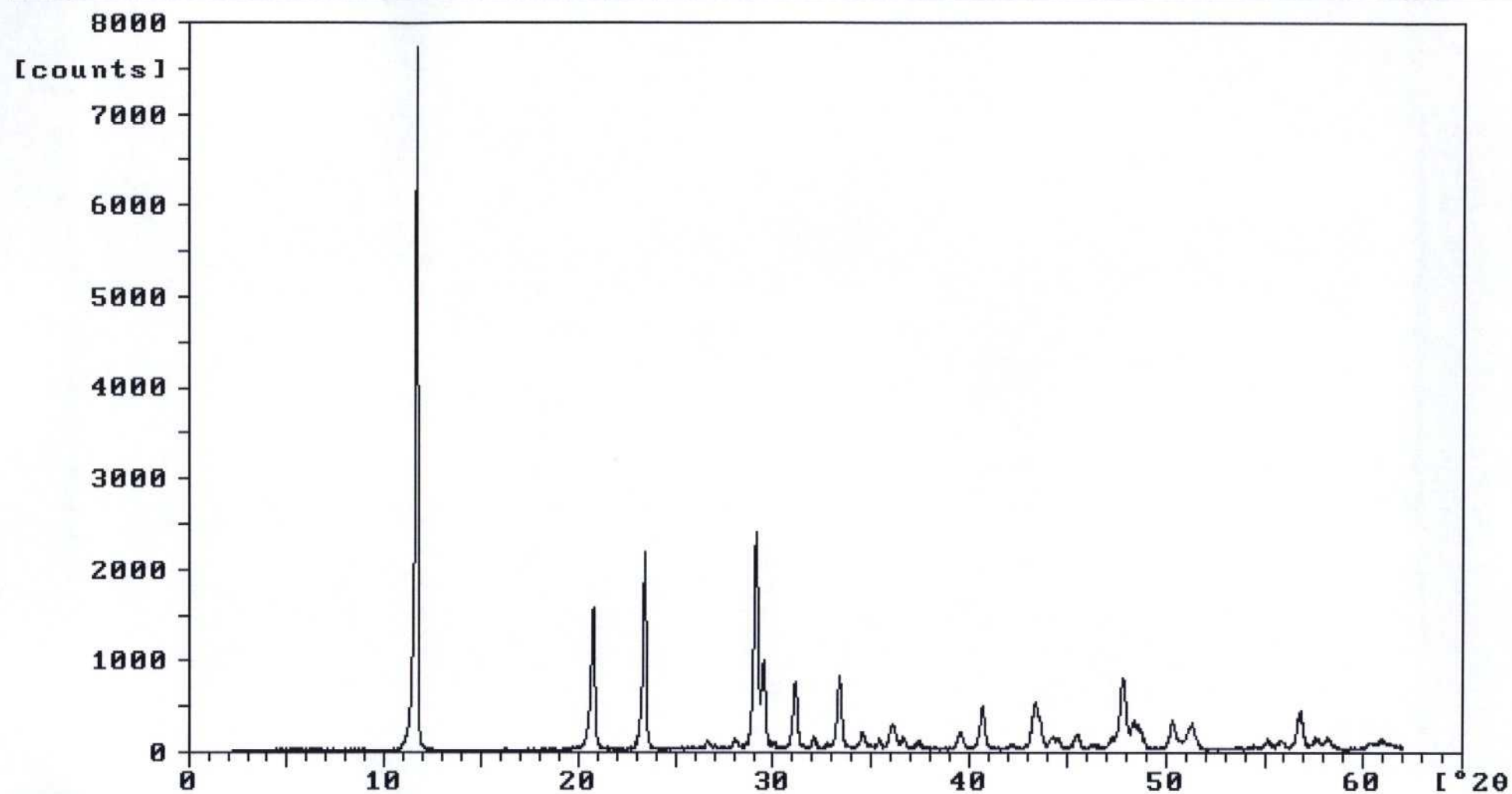
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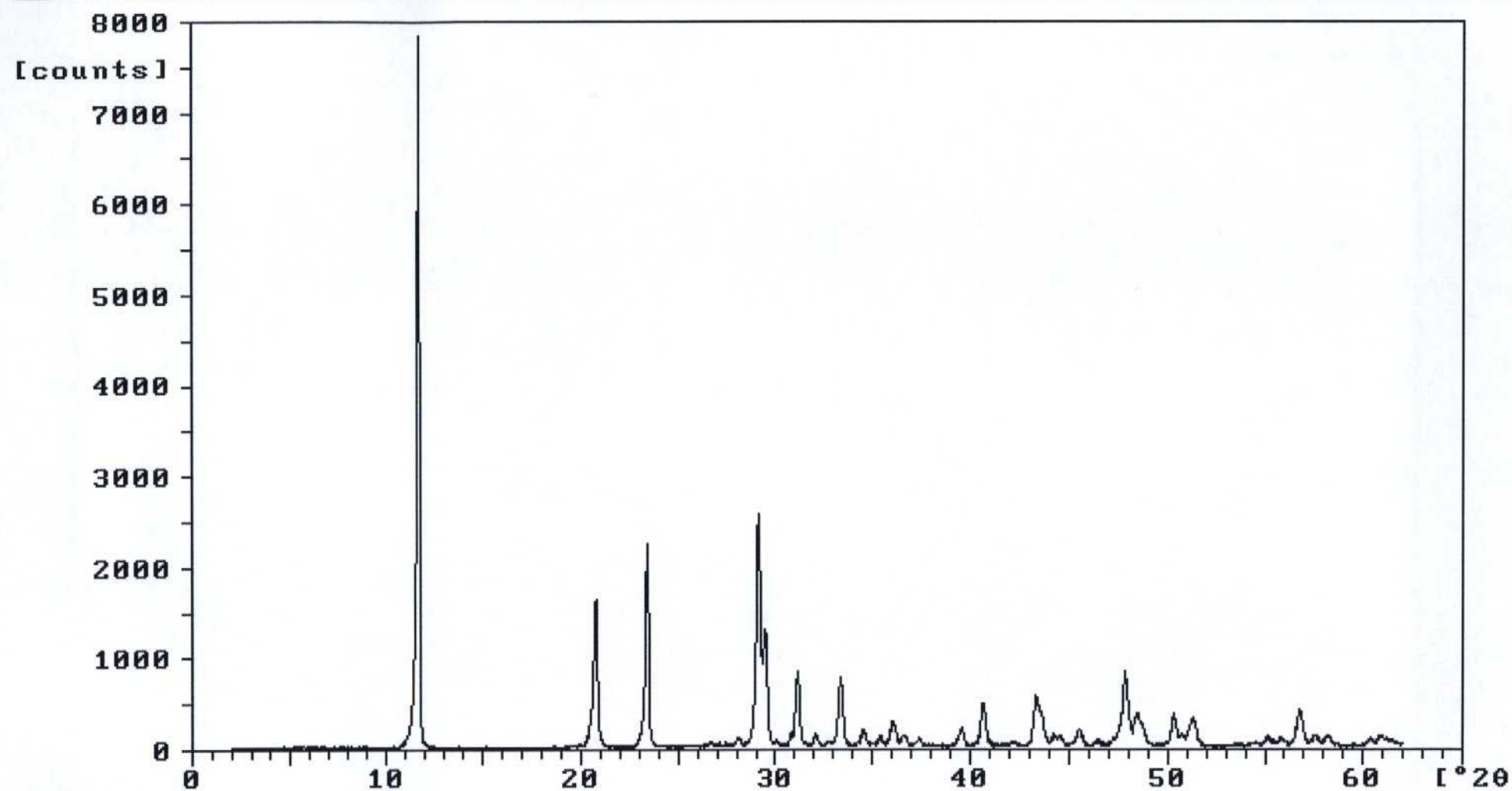
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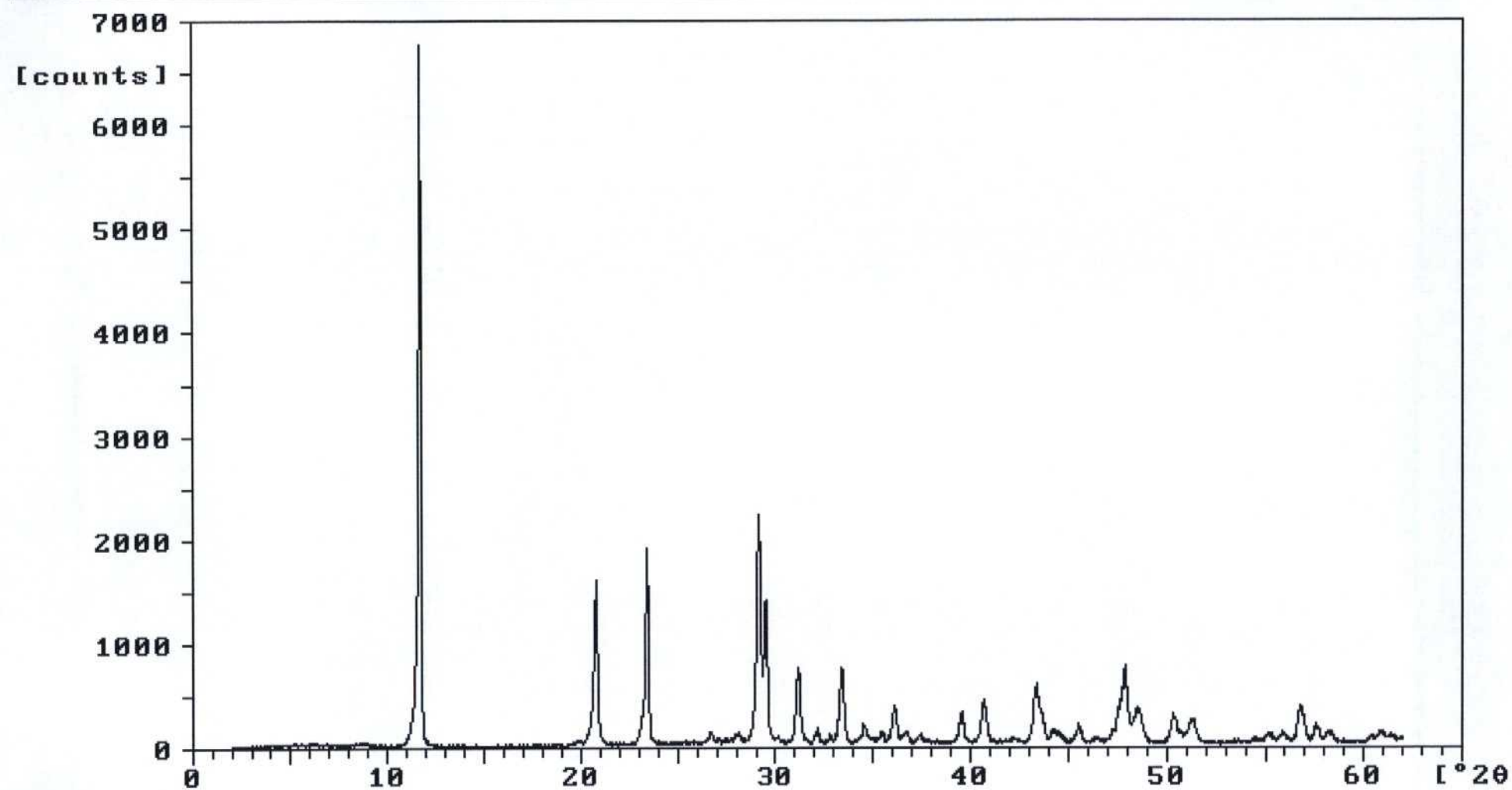
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98285-35.RD

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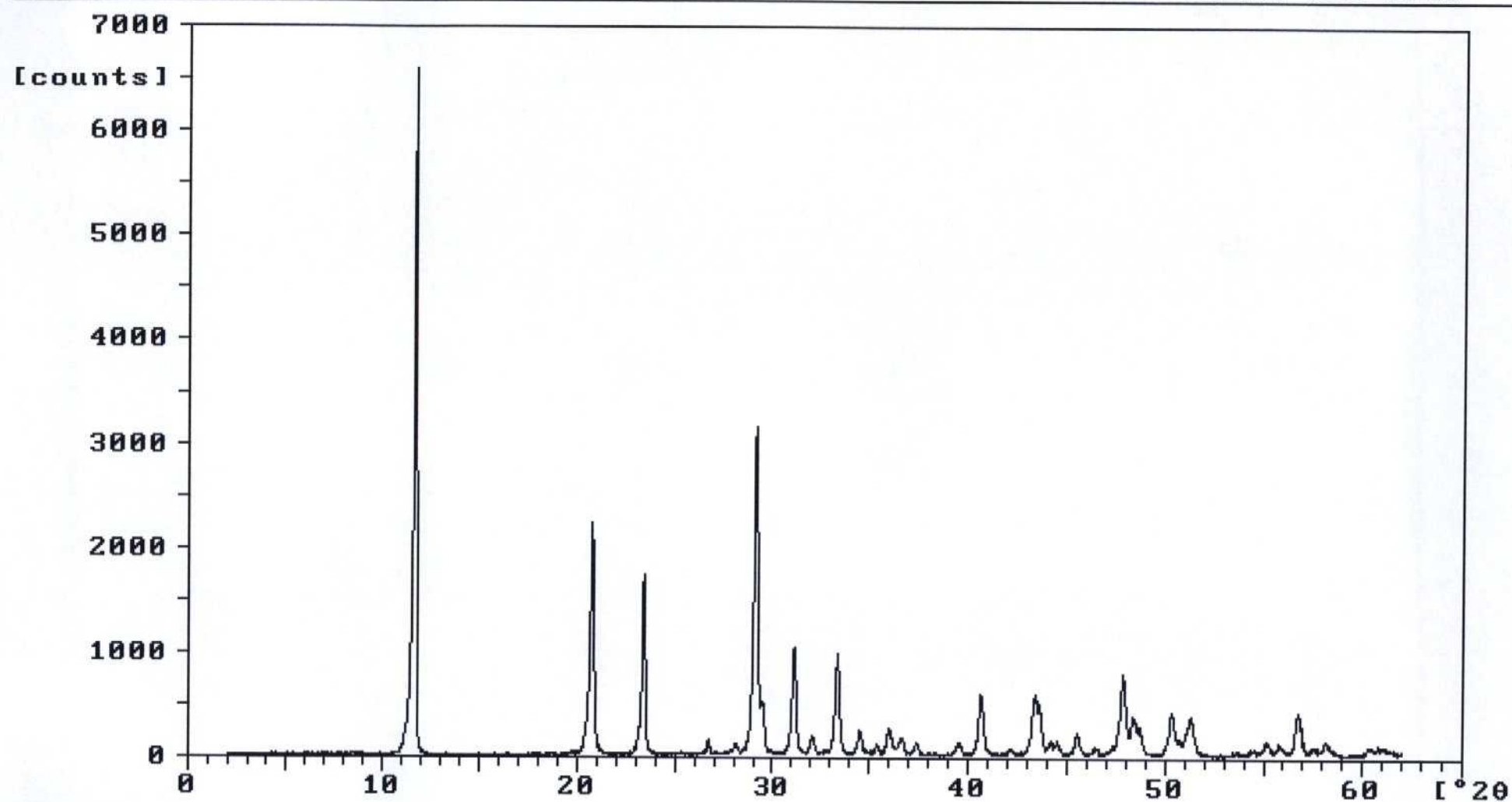
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98285-33.RD

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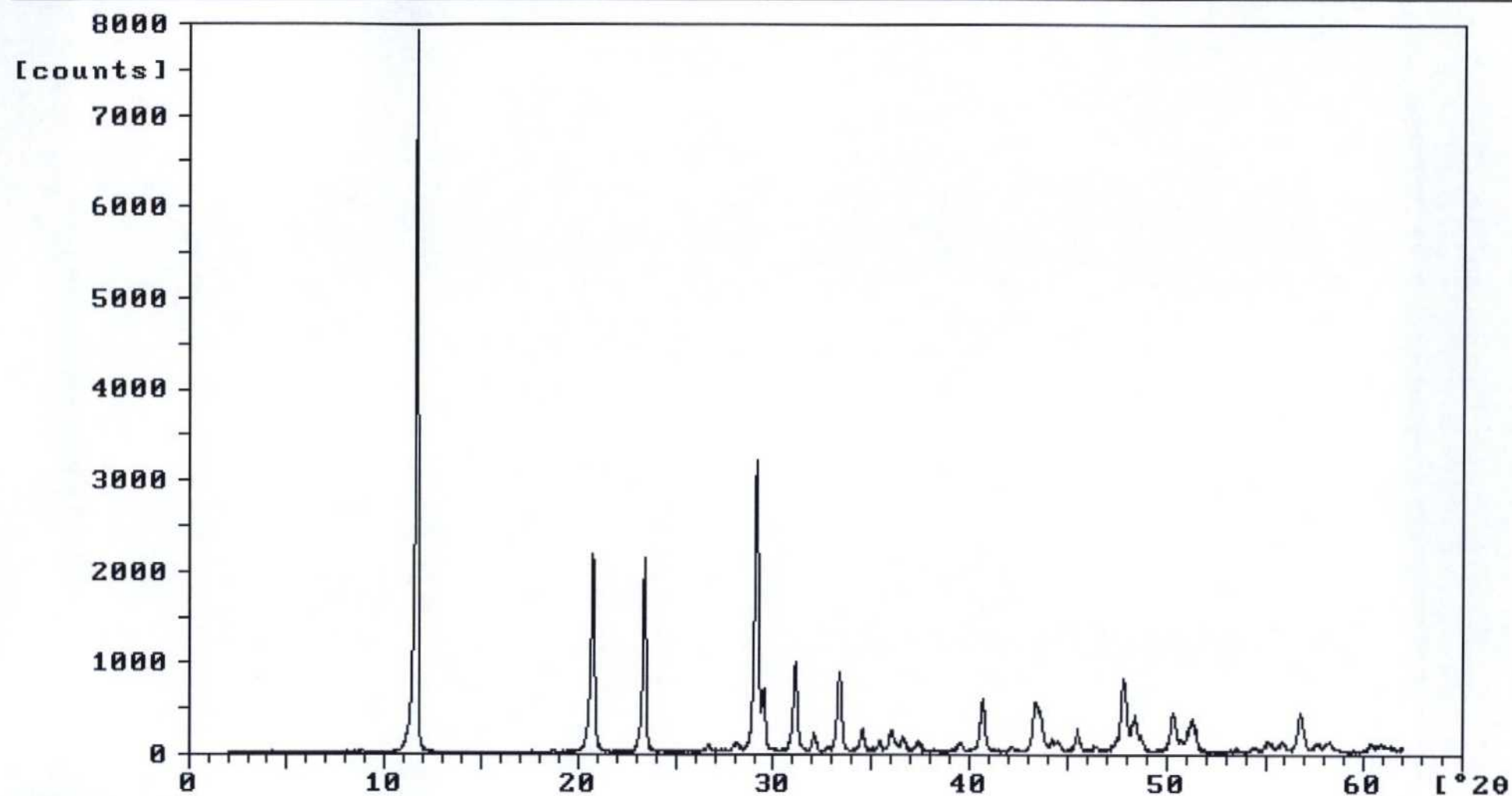
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98285-32.RD

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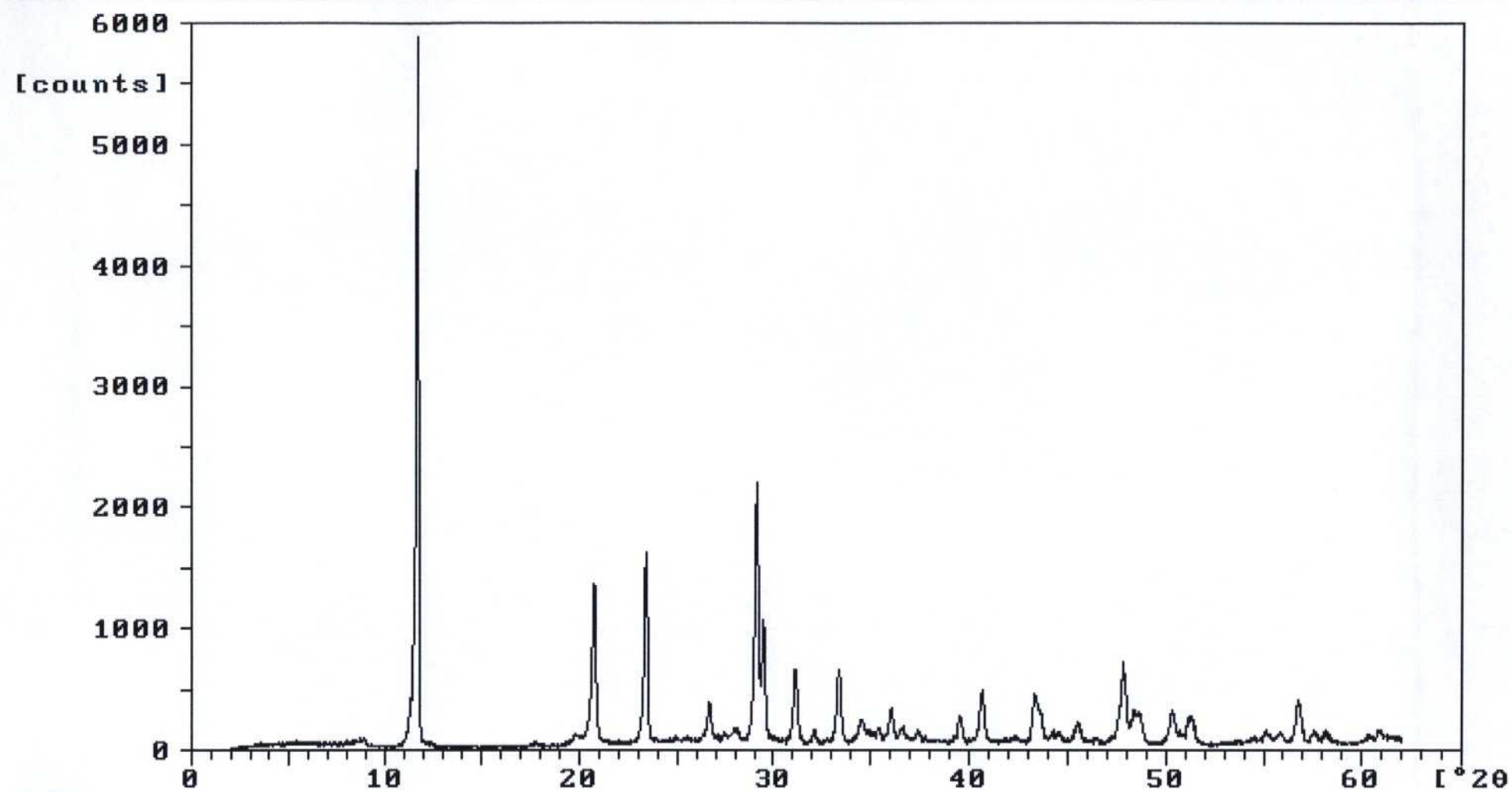
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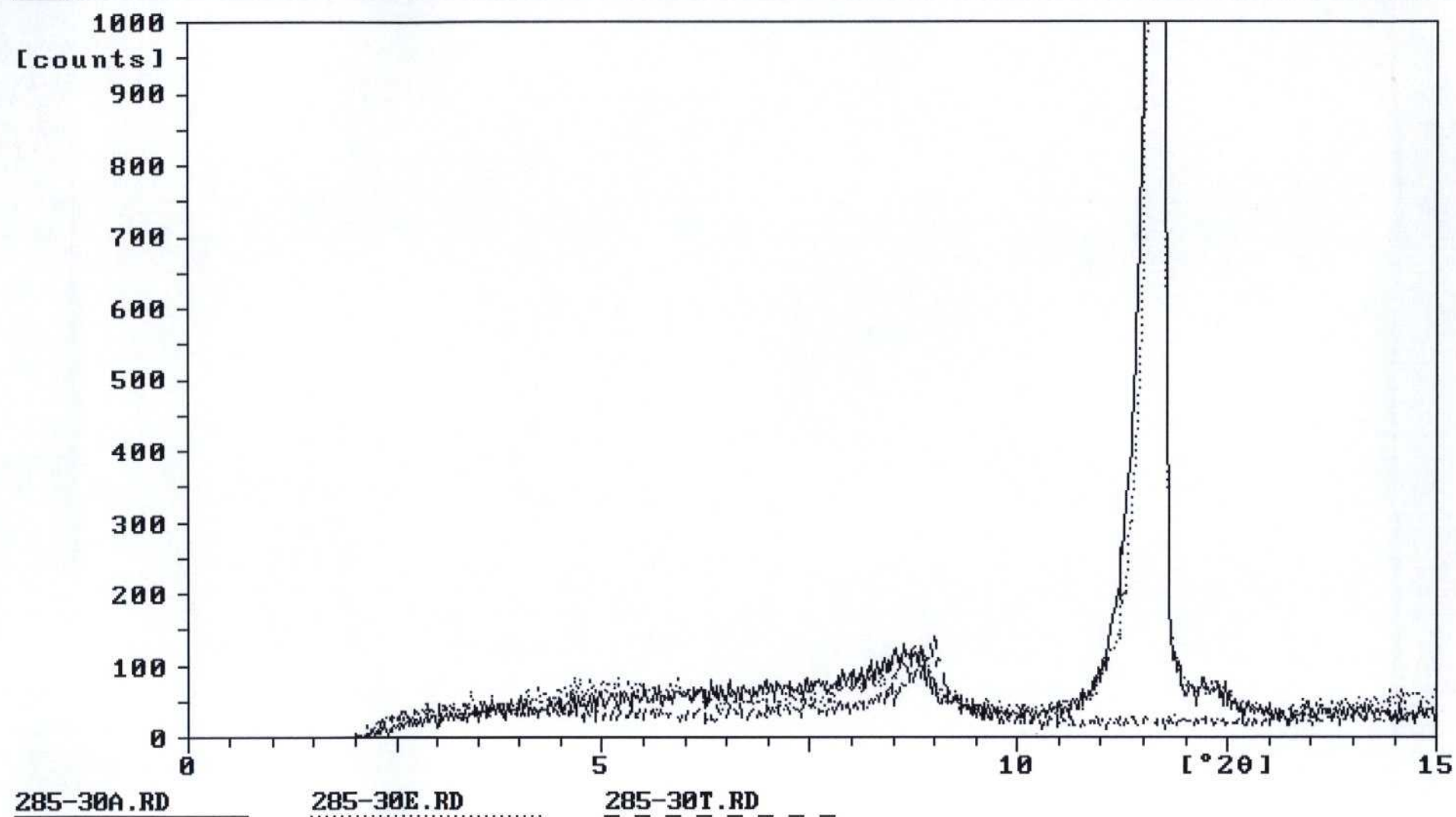
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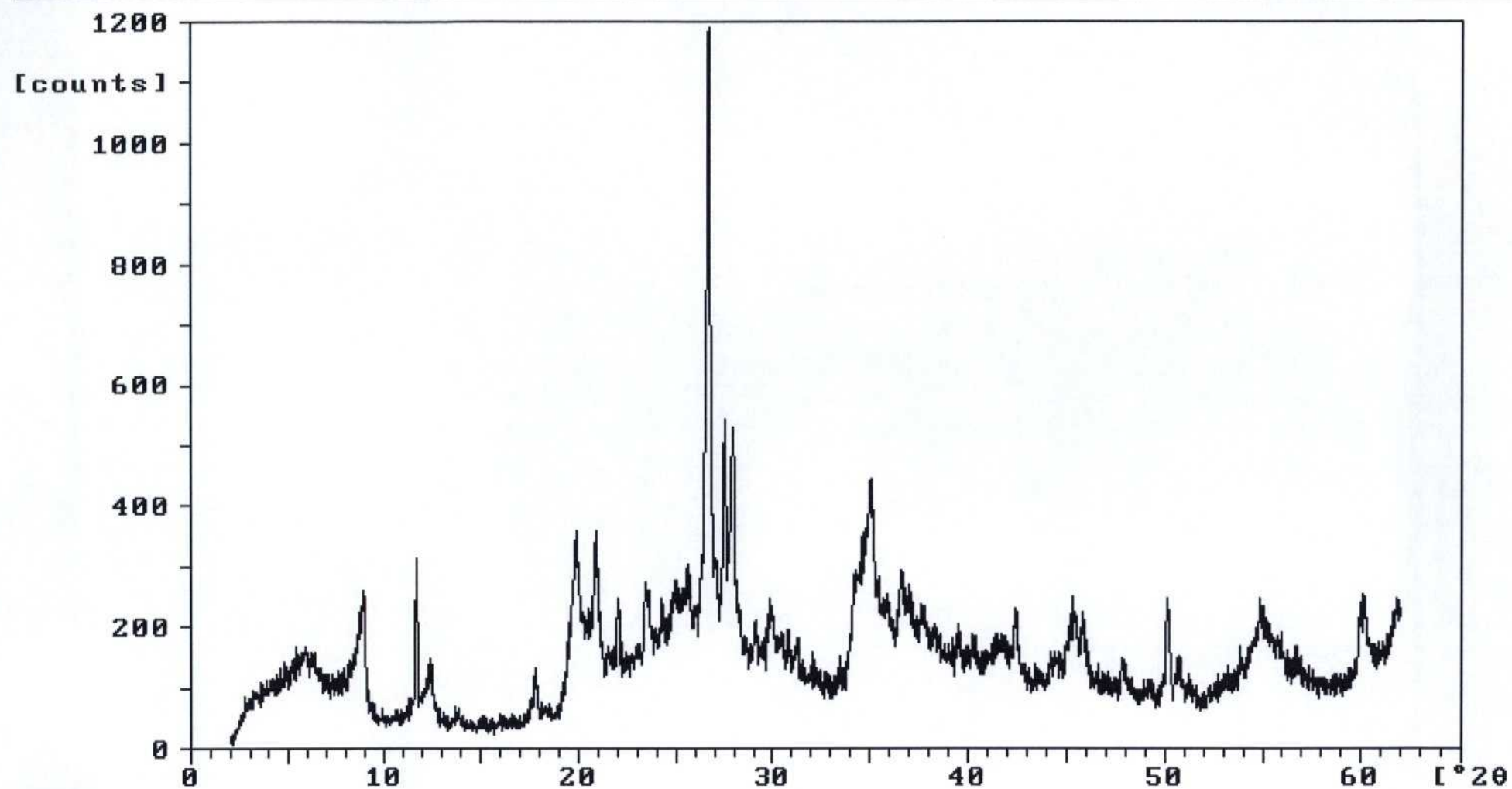
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27-Oct-1998 15:00



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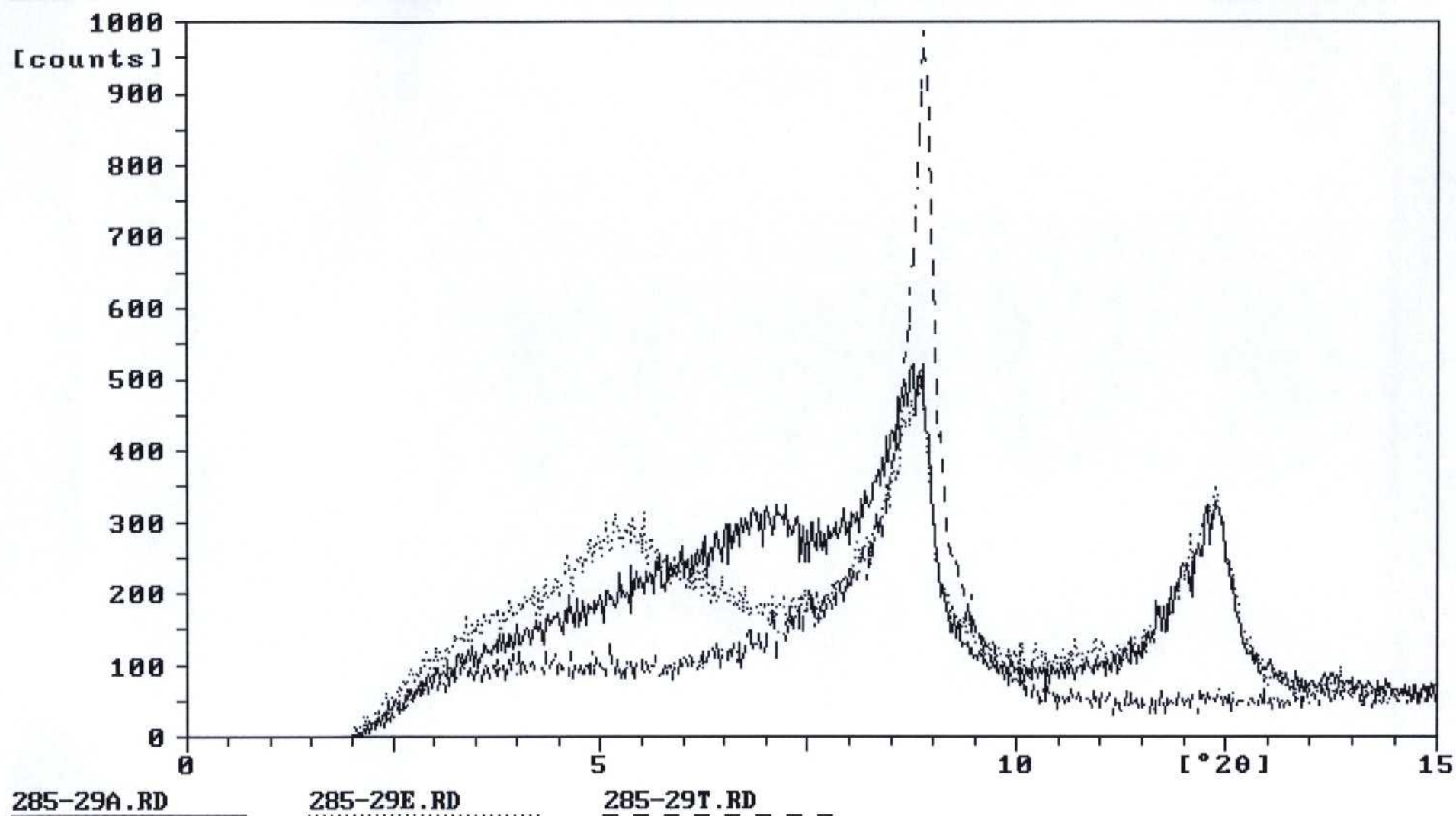
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98285-29.RD

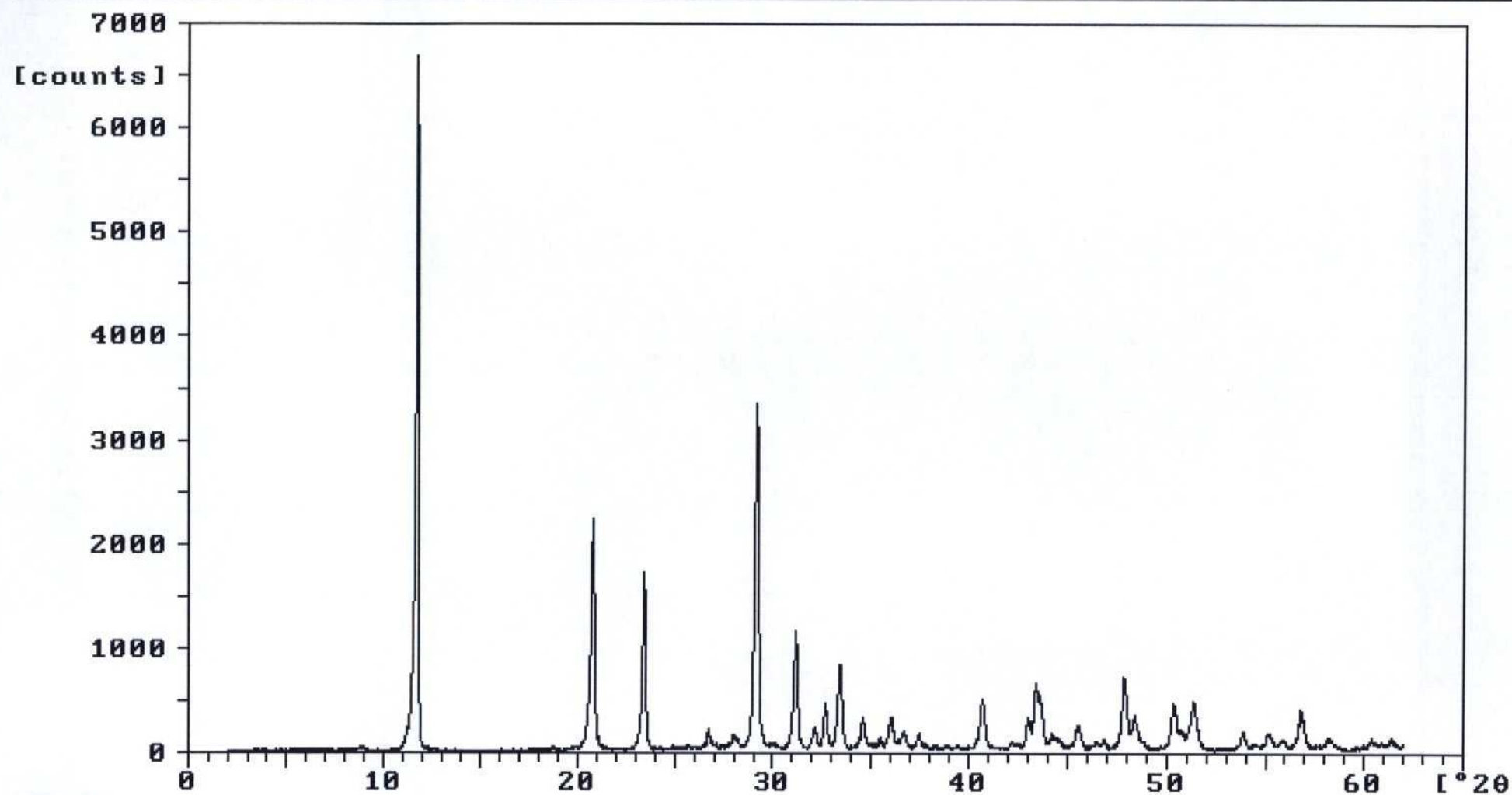
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27-Oct-1998 14:58



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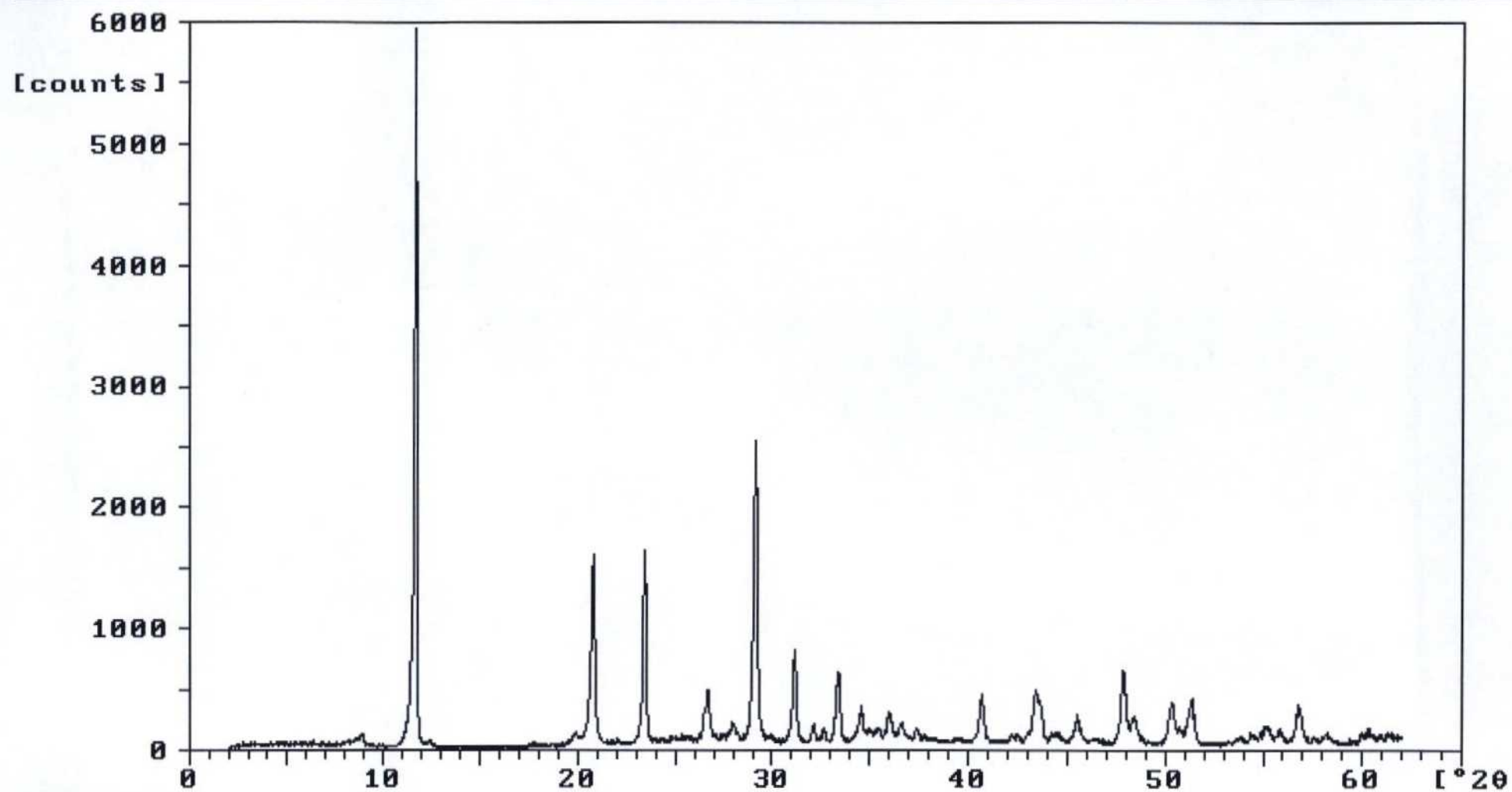
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98285-28.RD

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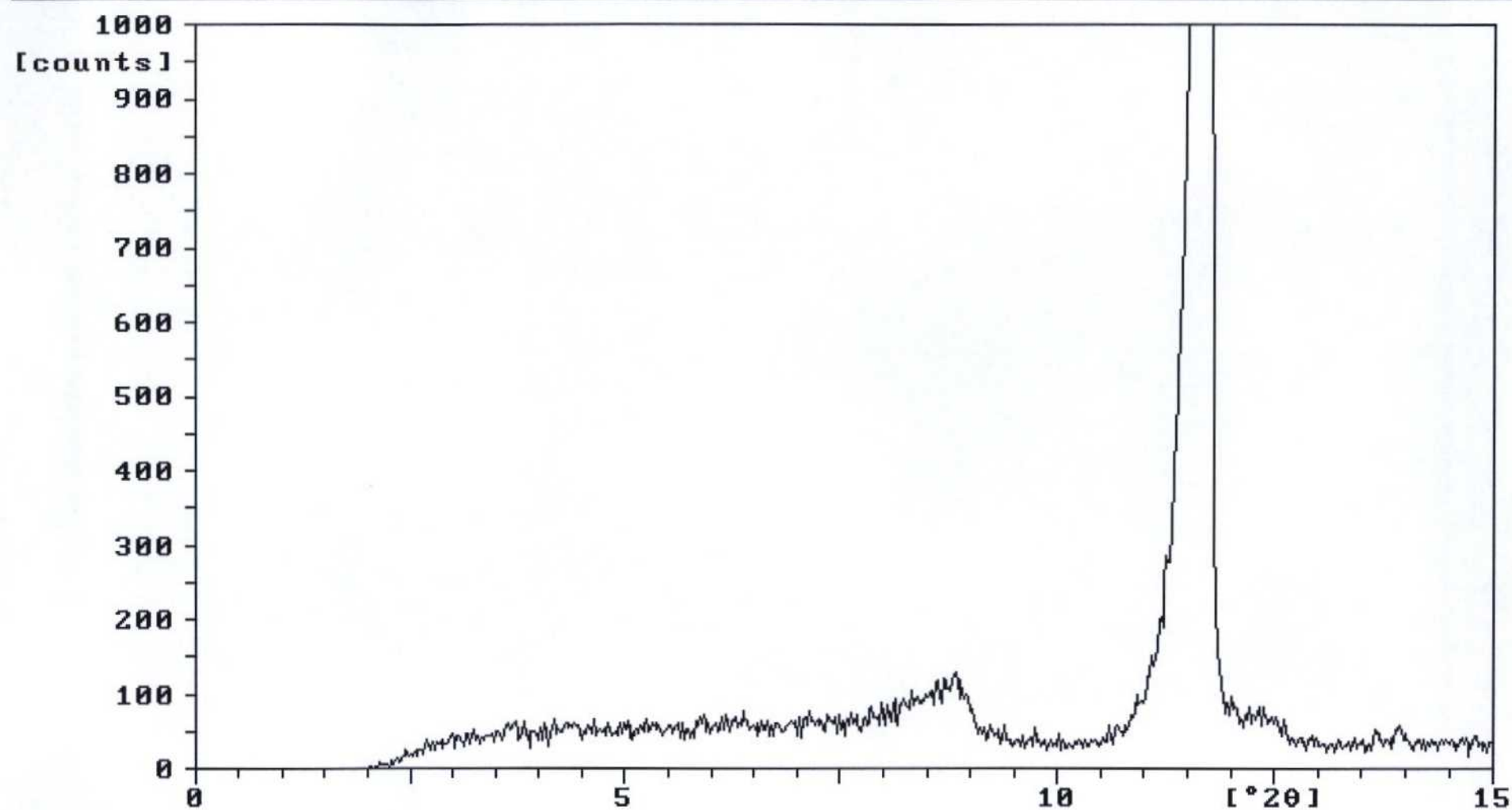
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98285-27.RD

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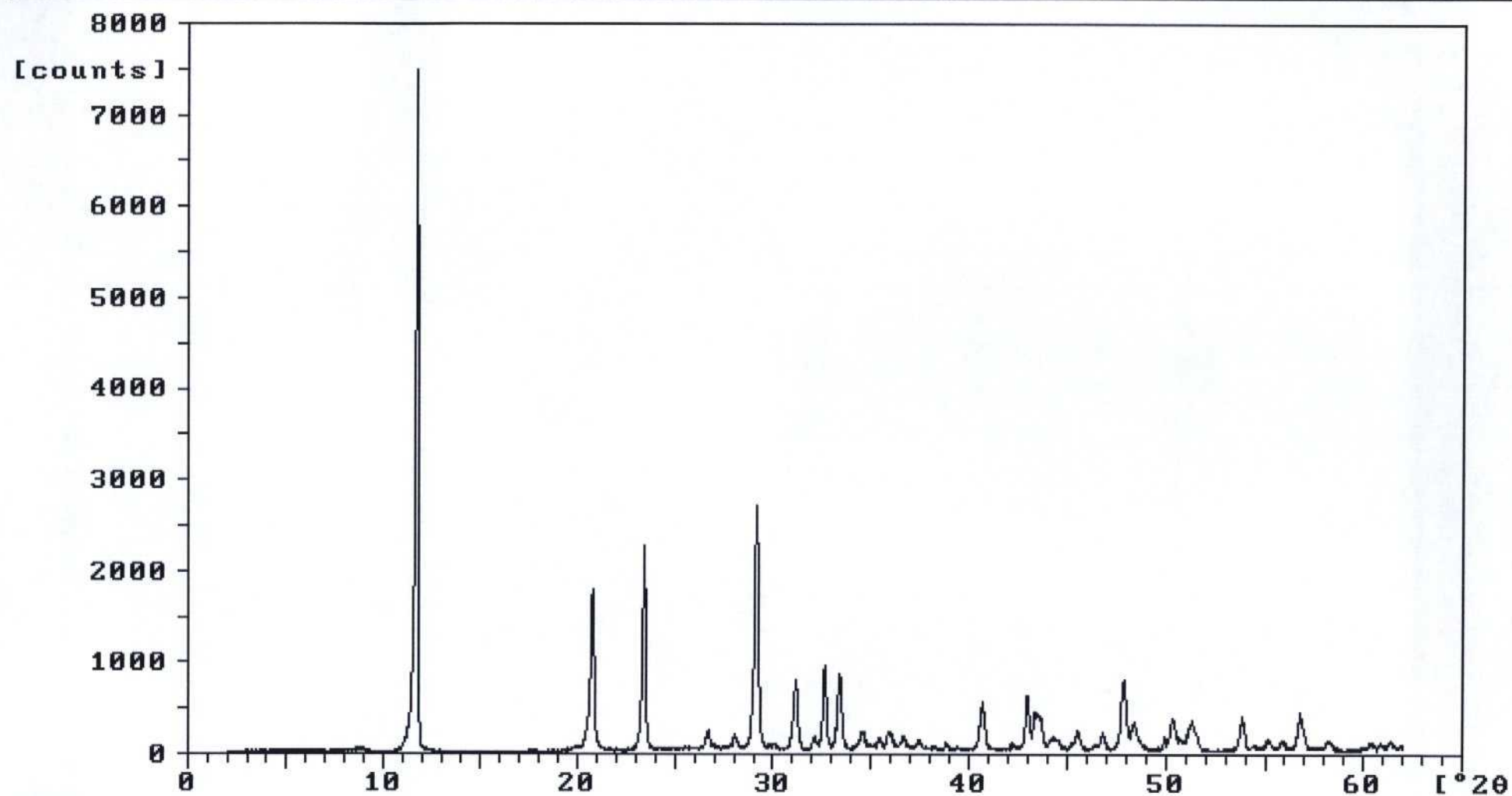
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285-27A.RD

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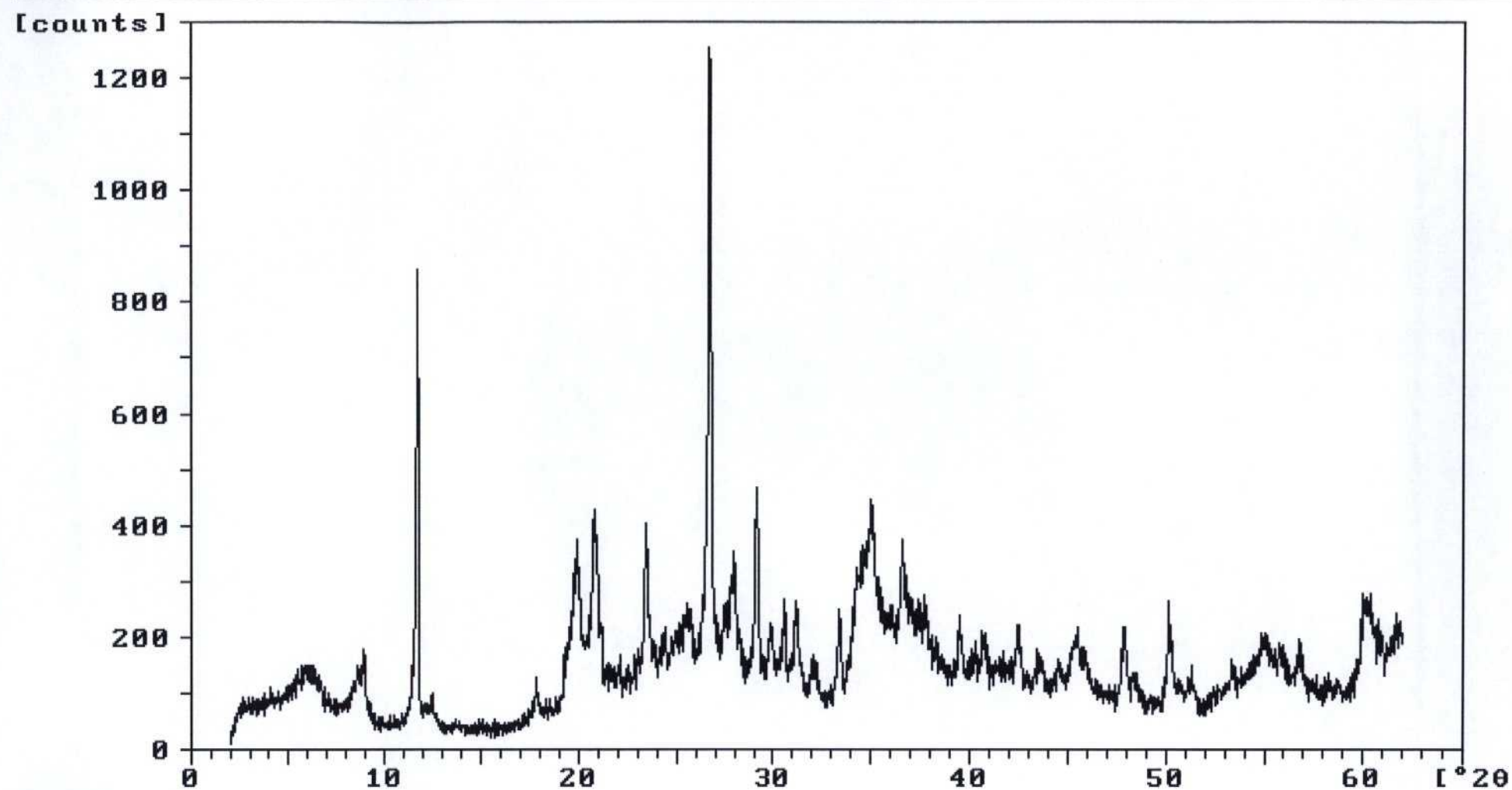
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98285-26.RD

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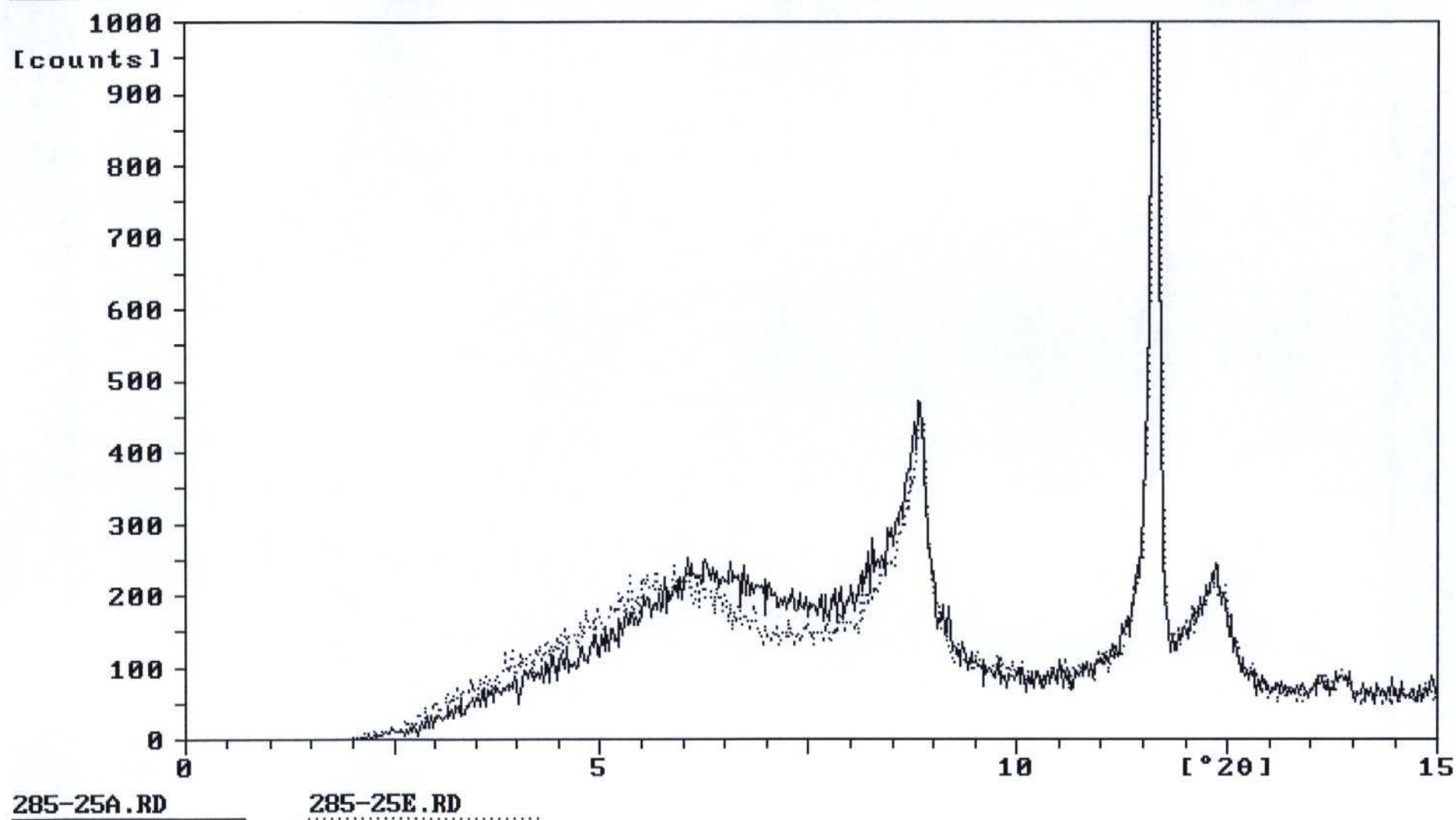
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98285-25.RD

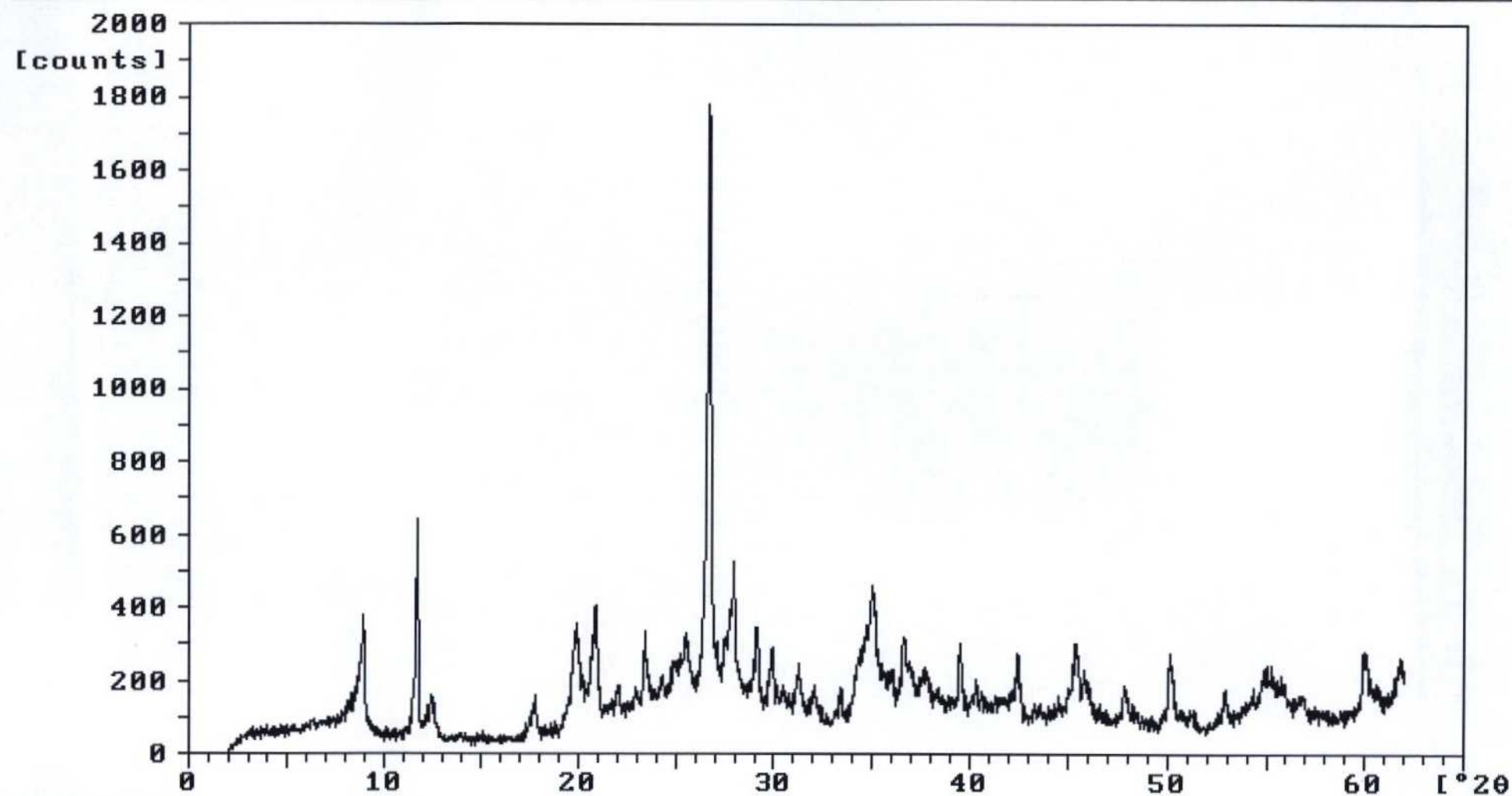
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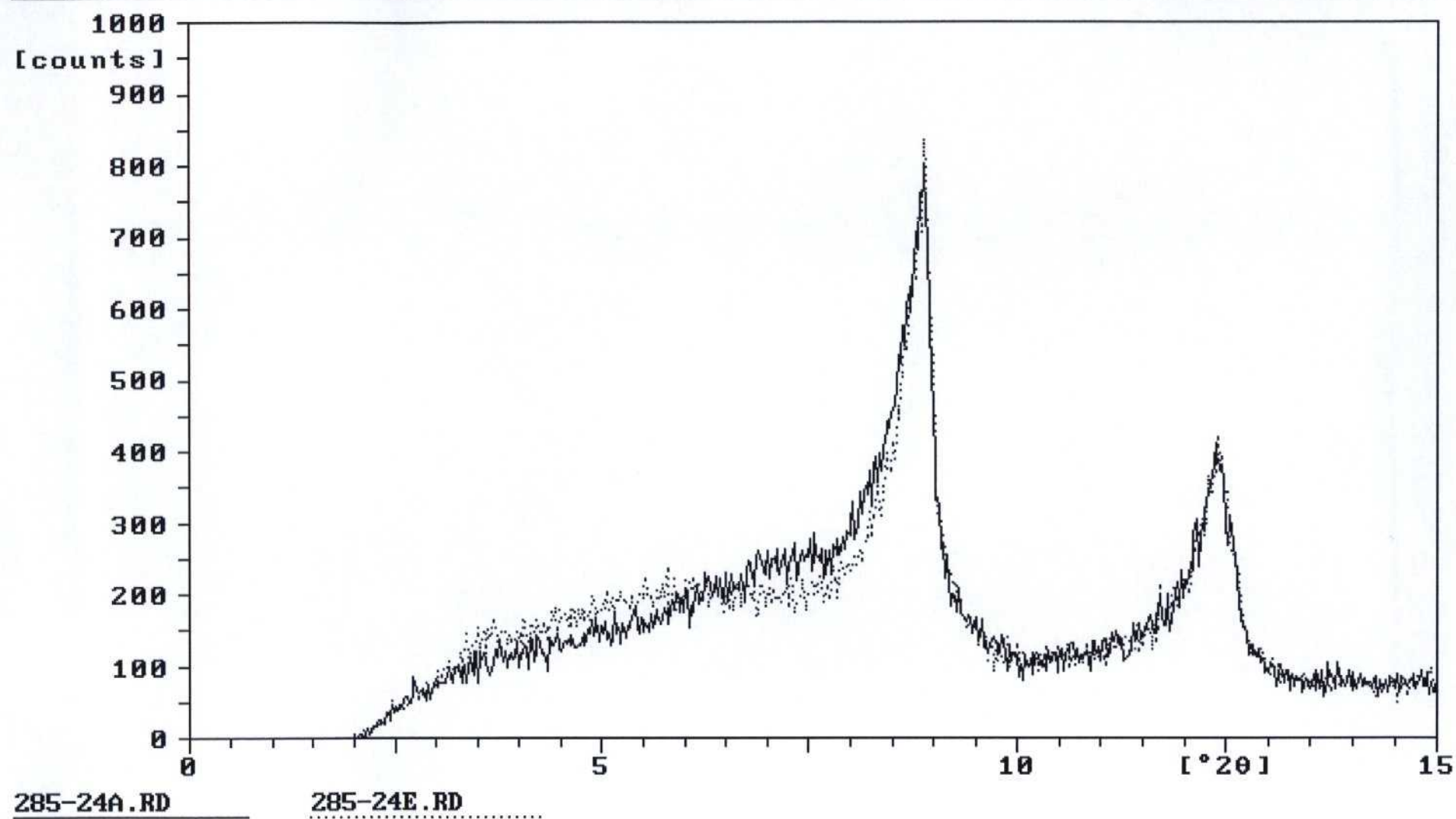
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98285-24.RD

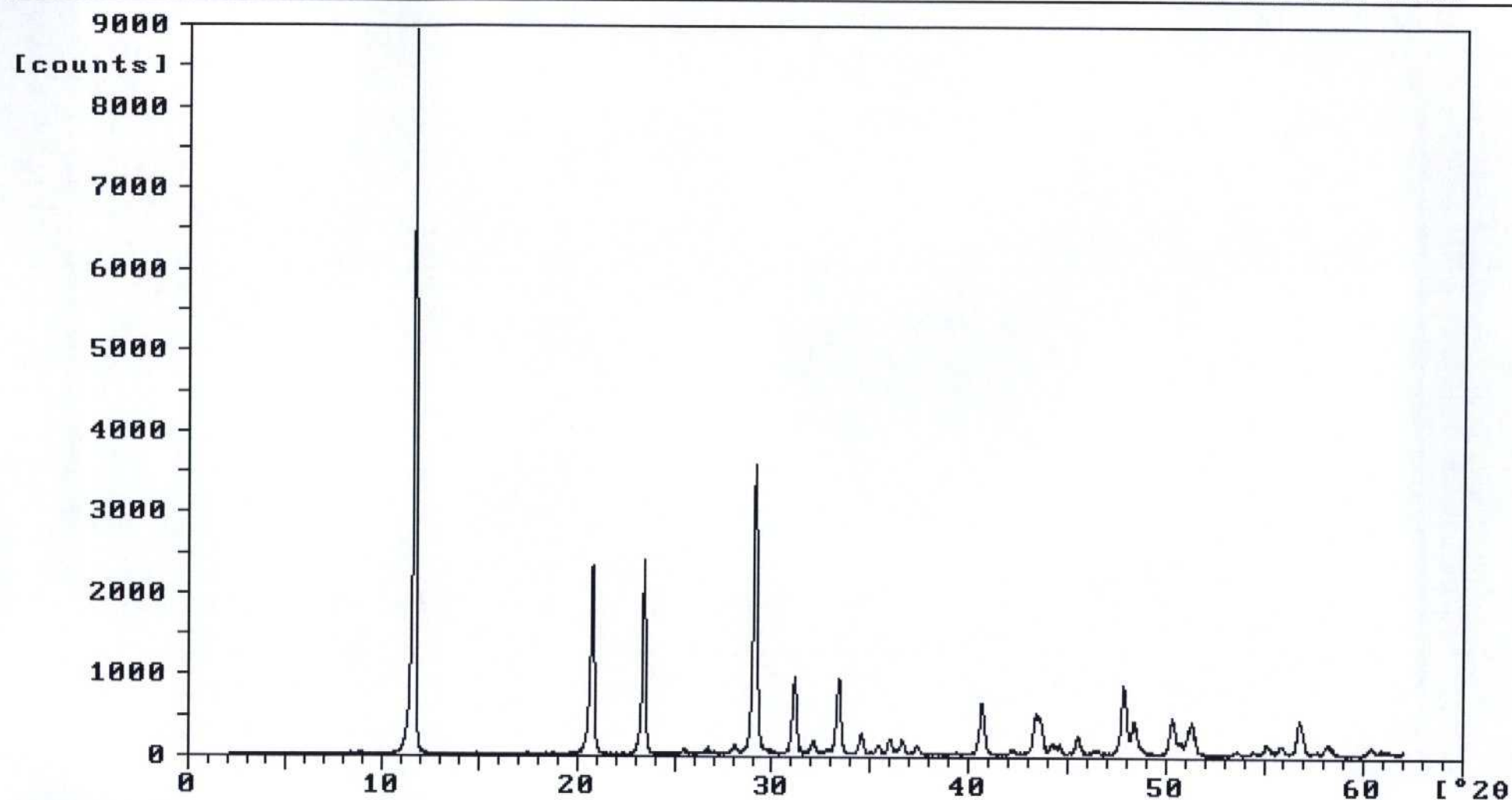
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27-Oct-1998 14:08



Sample identification: 19-25 ITRM 0302

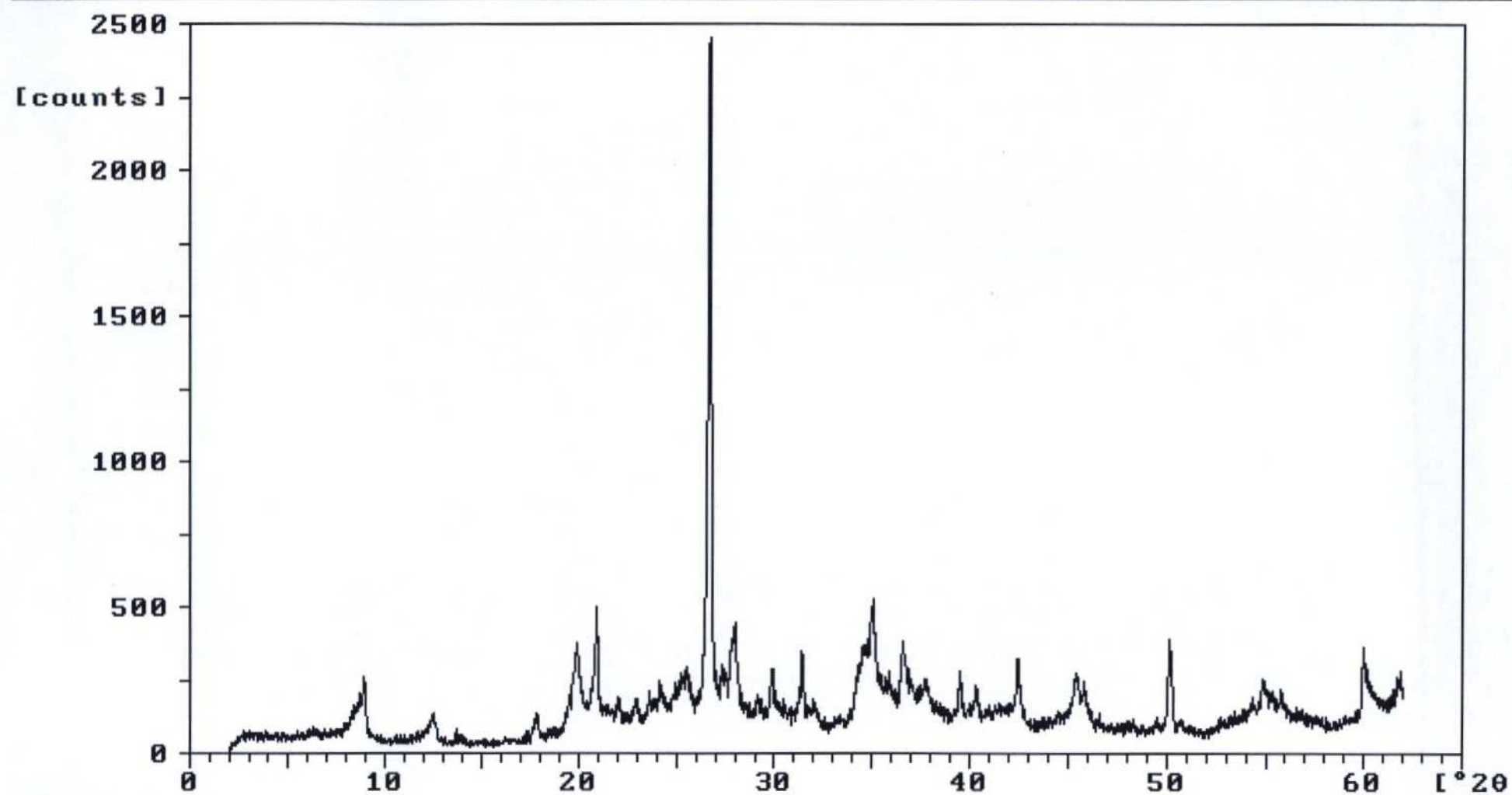
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98285-21.RD

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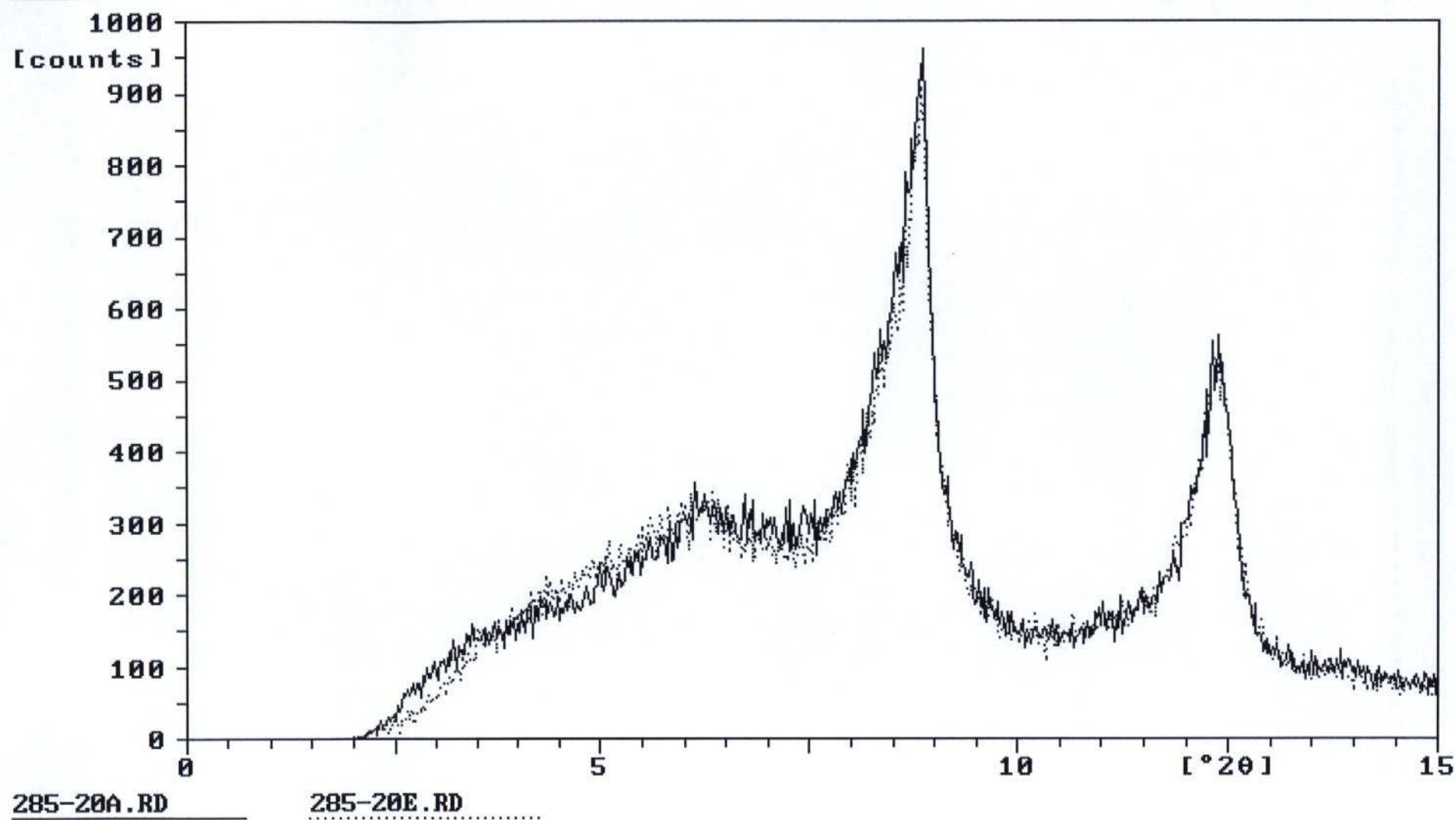
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98285-20.RD

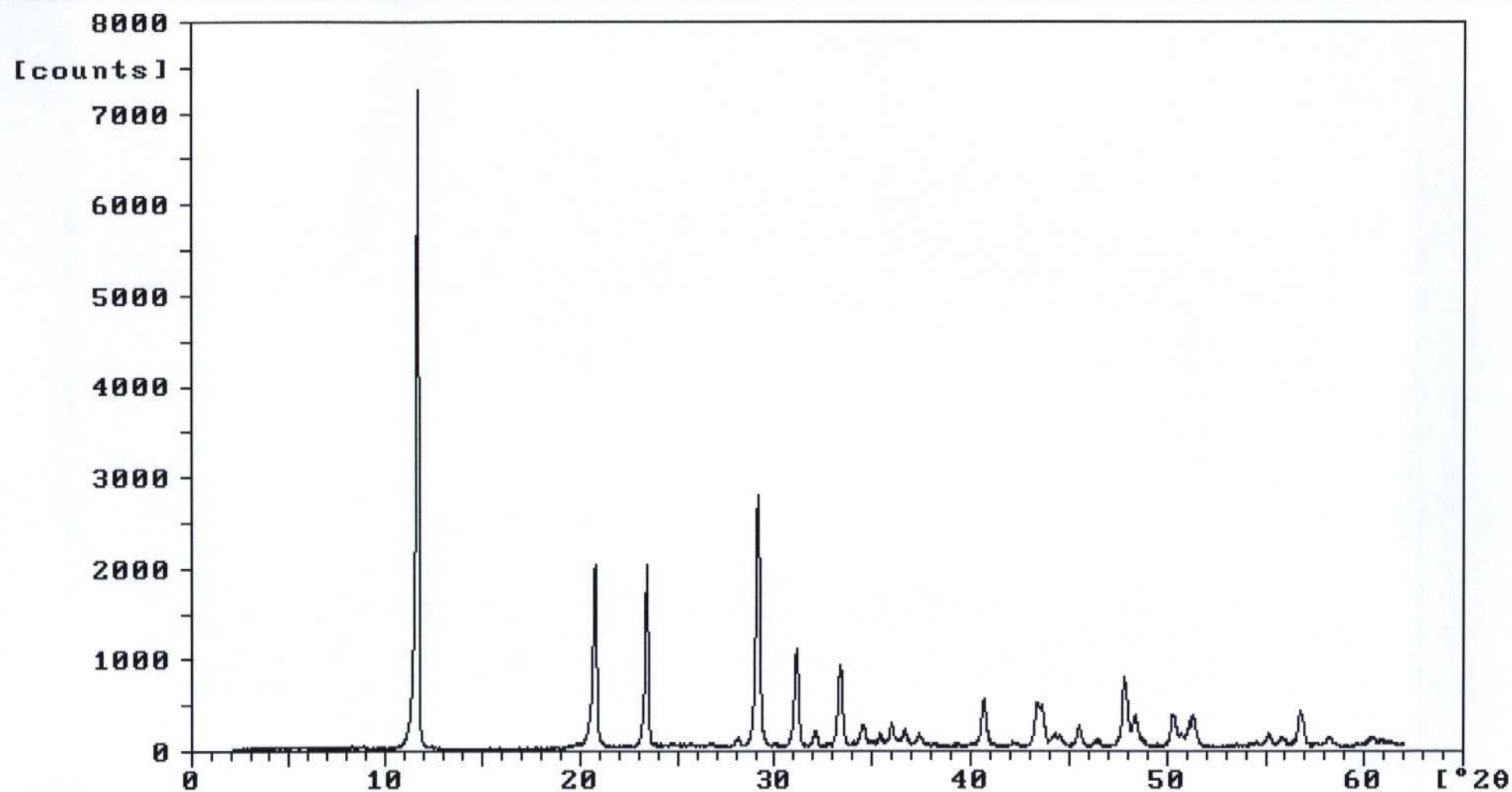
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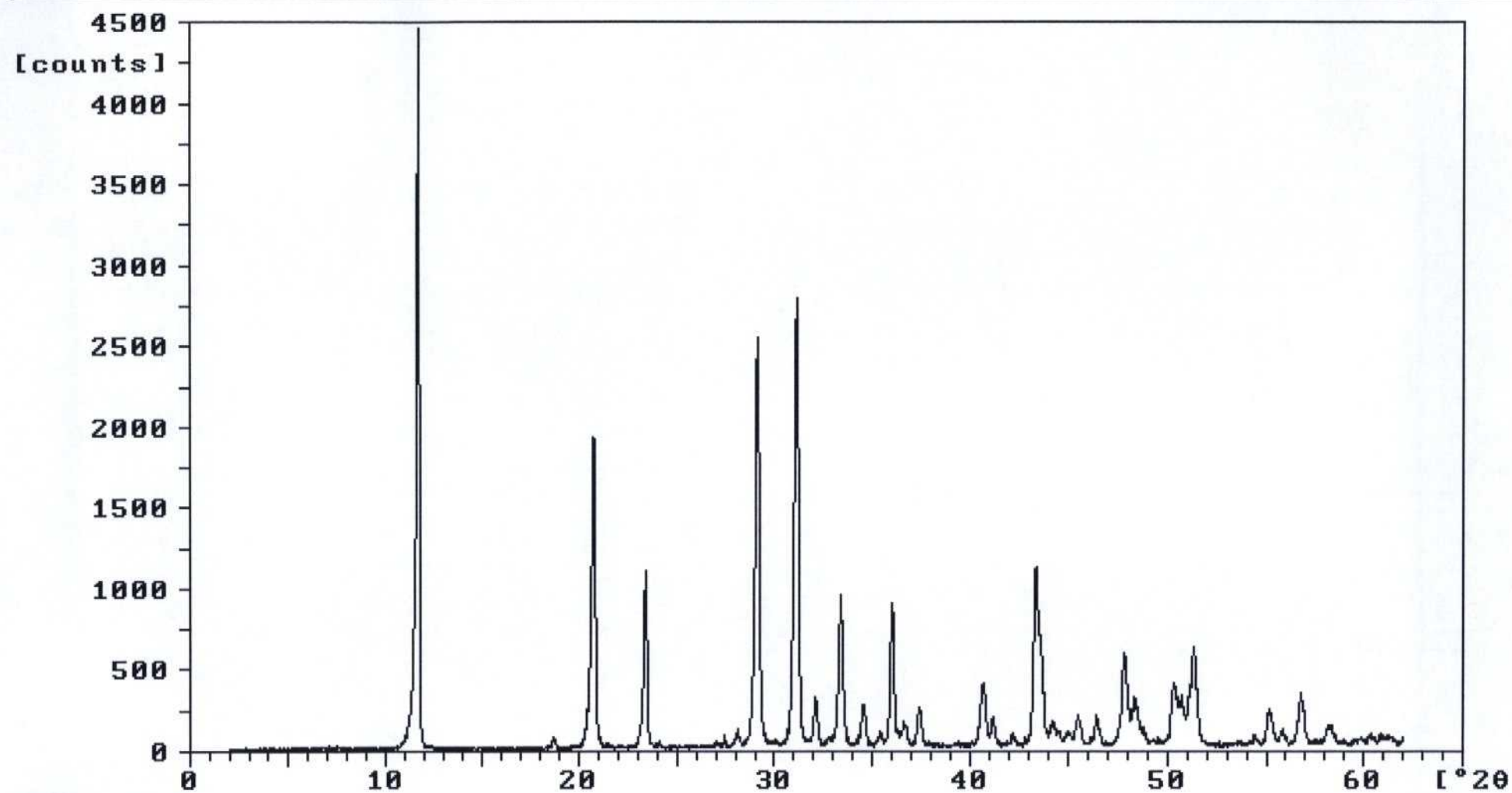
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98285-19.RD

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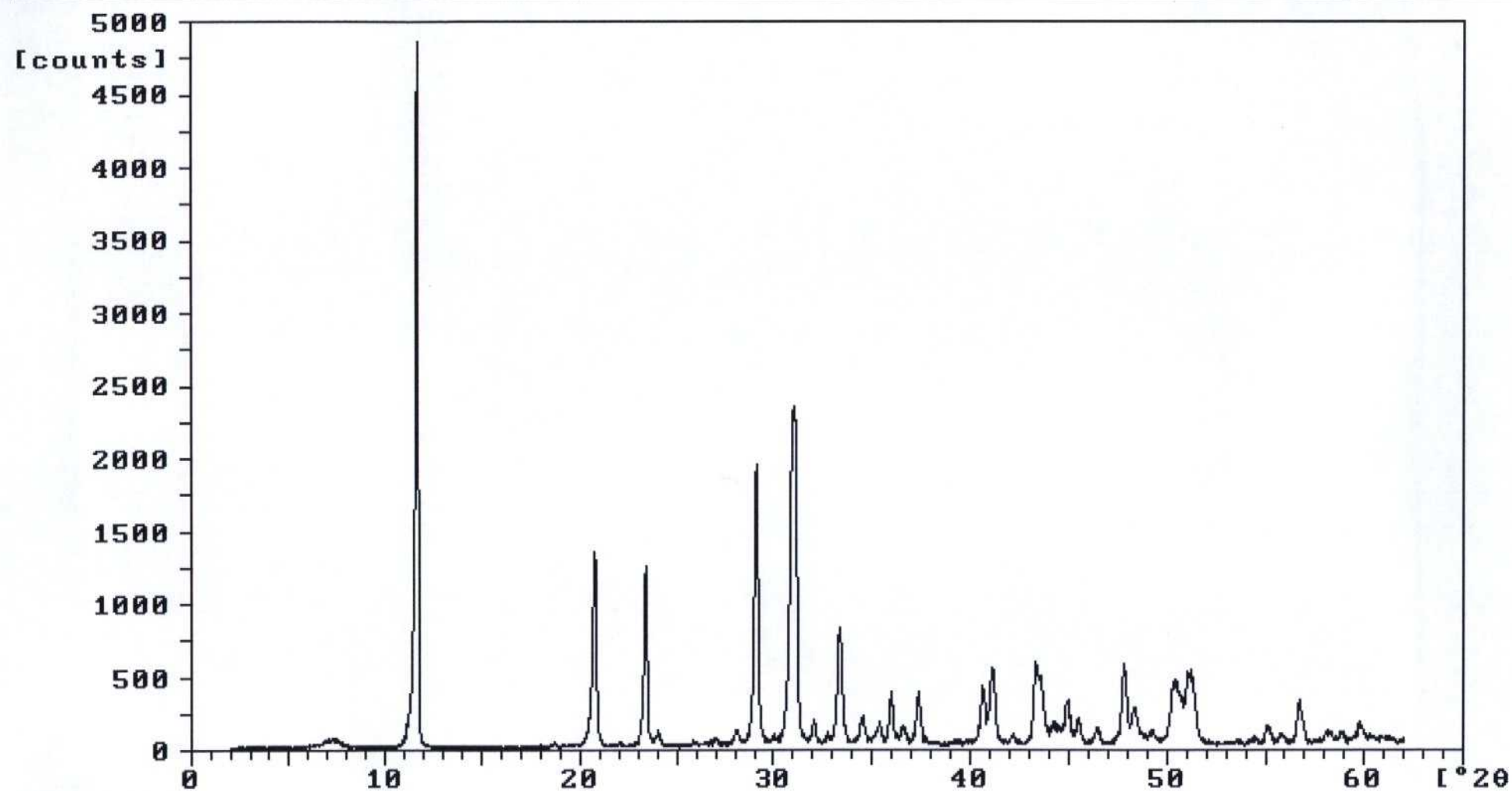
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98285-17.RD

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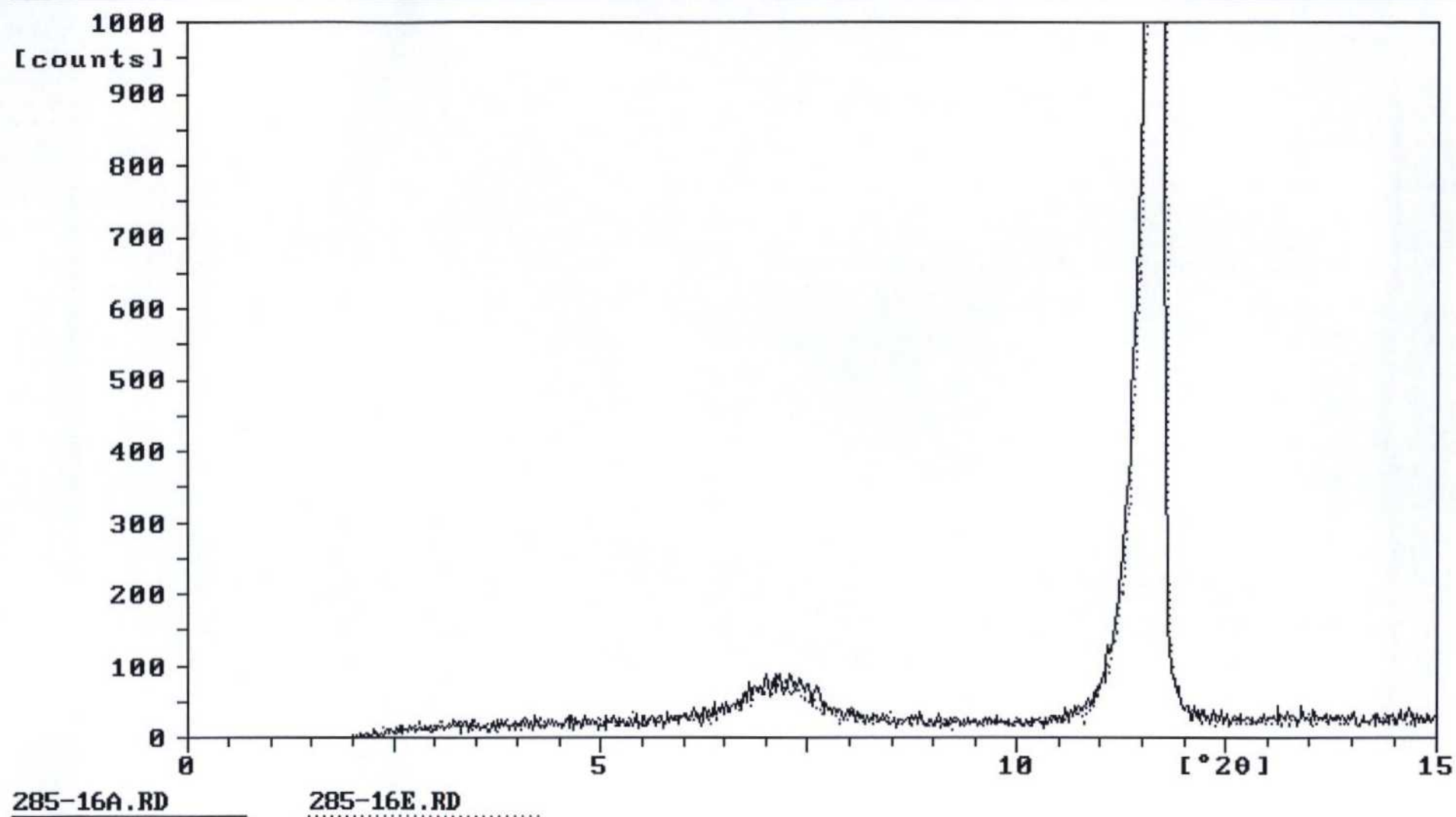
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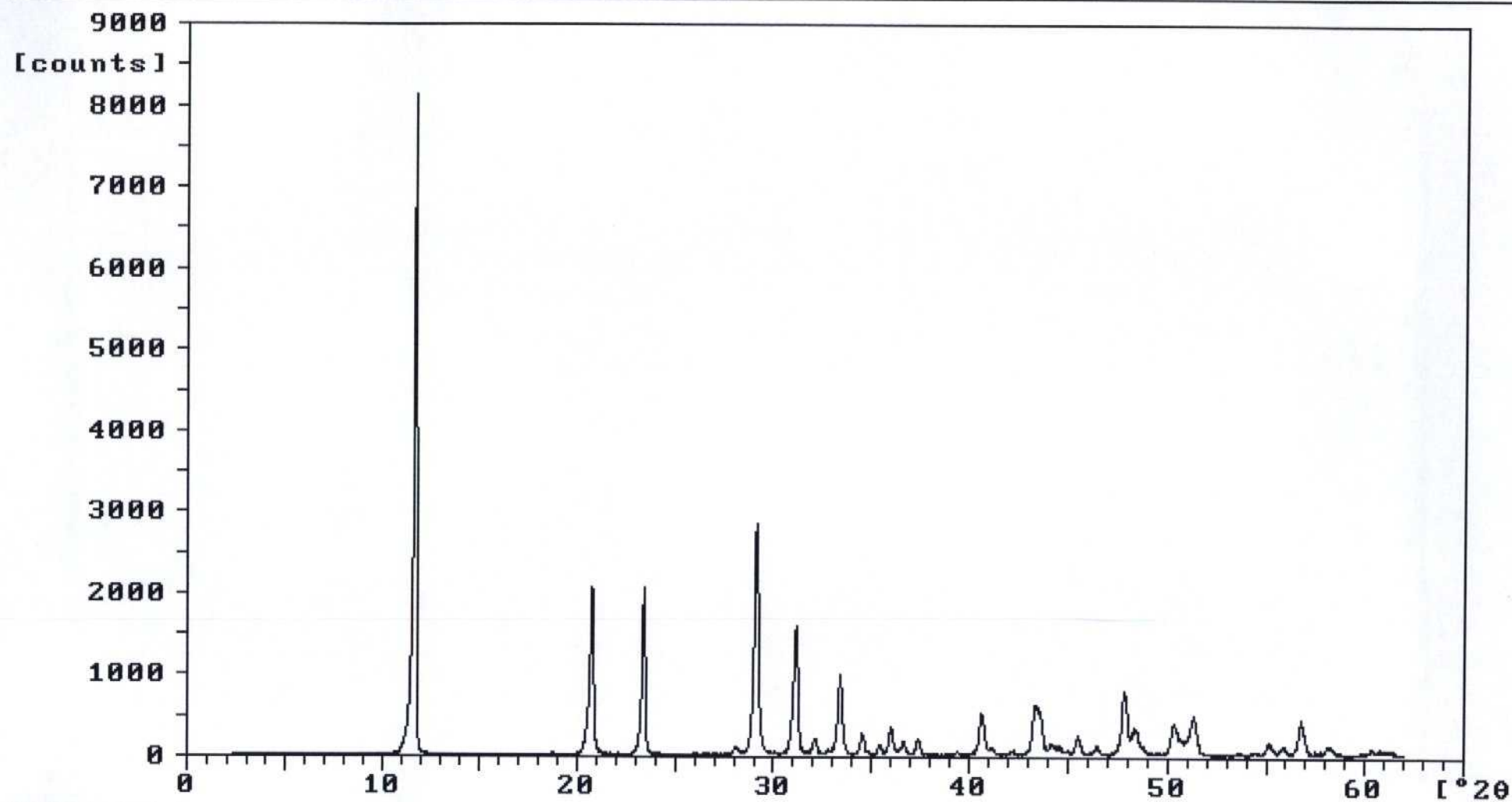
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Sample identification: 19-25 ITRM 0209

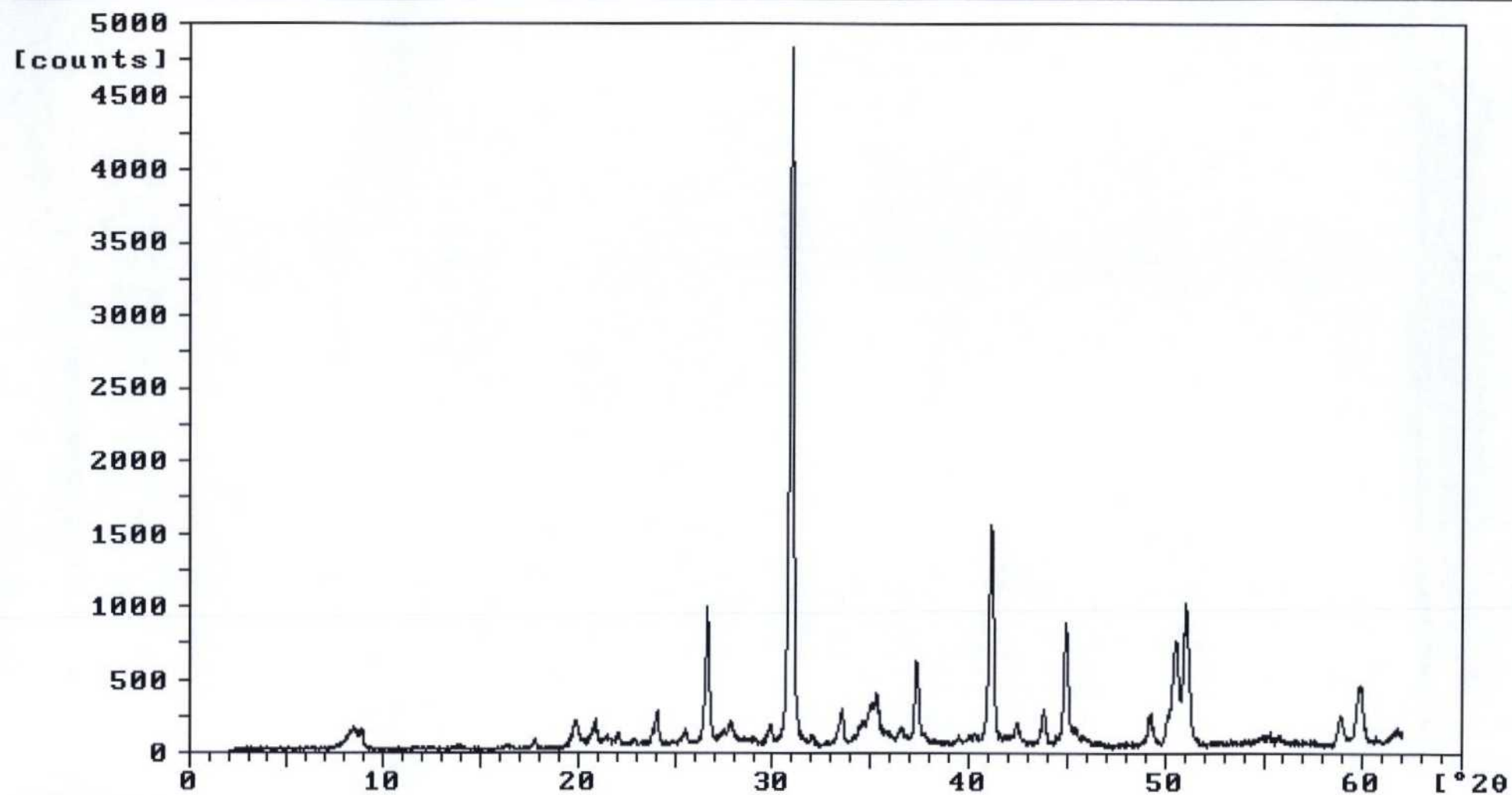
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98285-15.RD

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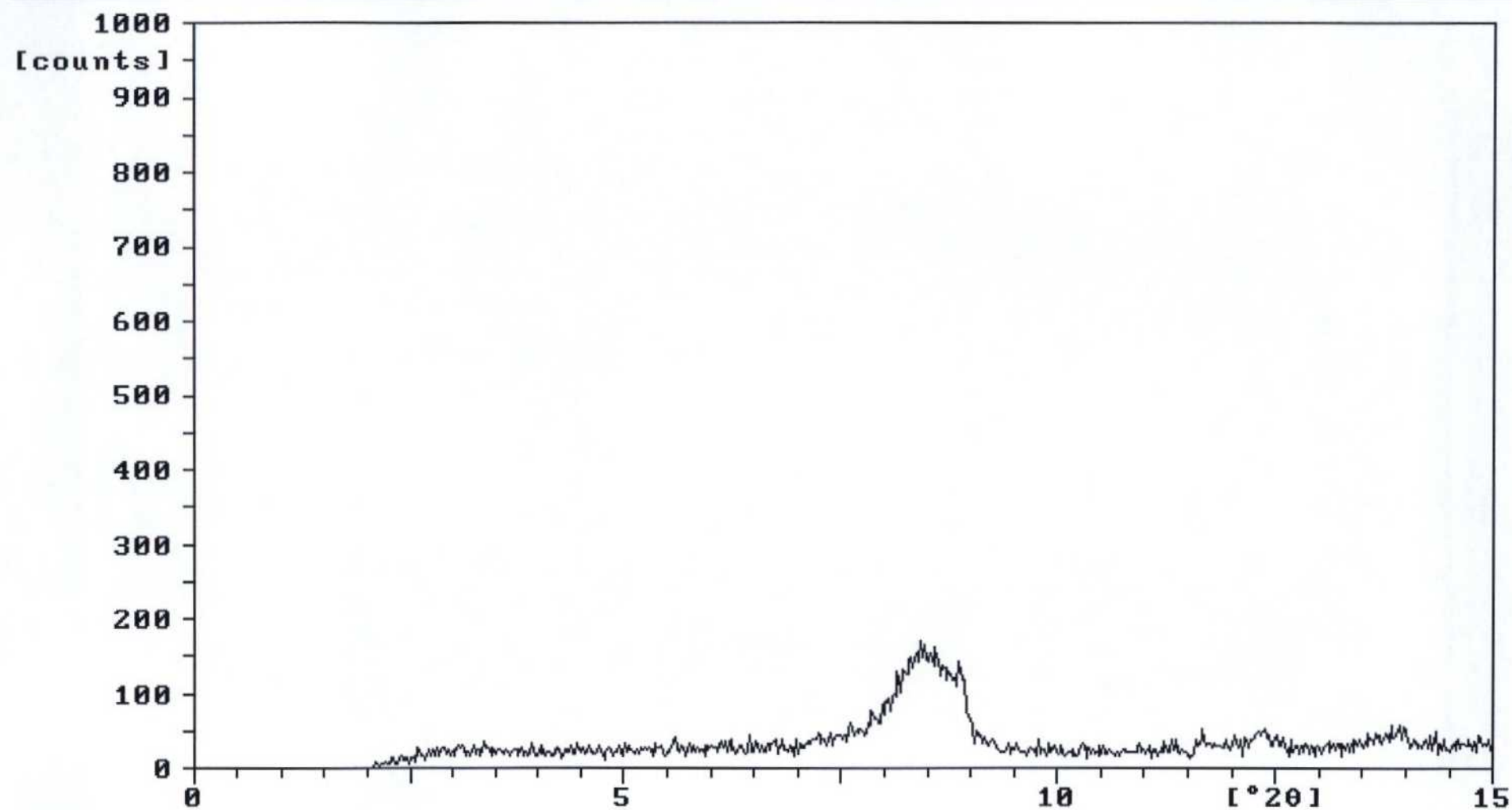
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98285-14.RD

Sample identification: 19-25ITRM 0208 AGREG

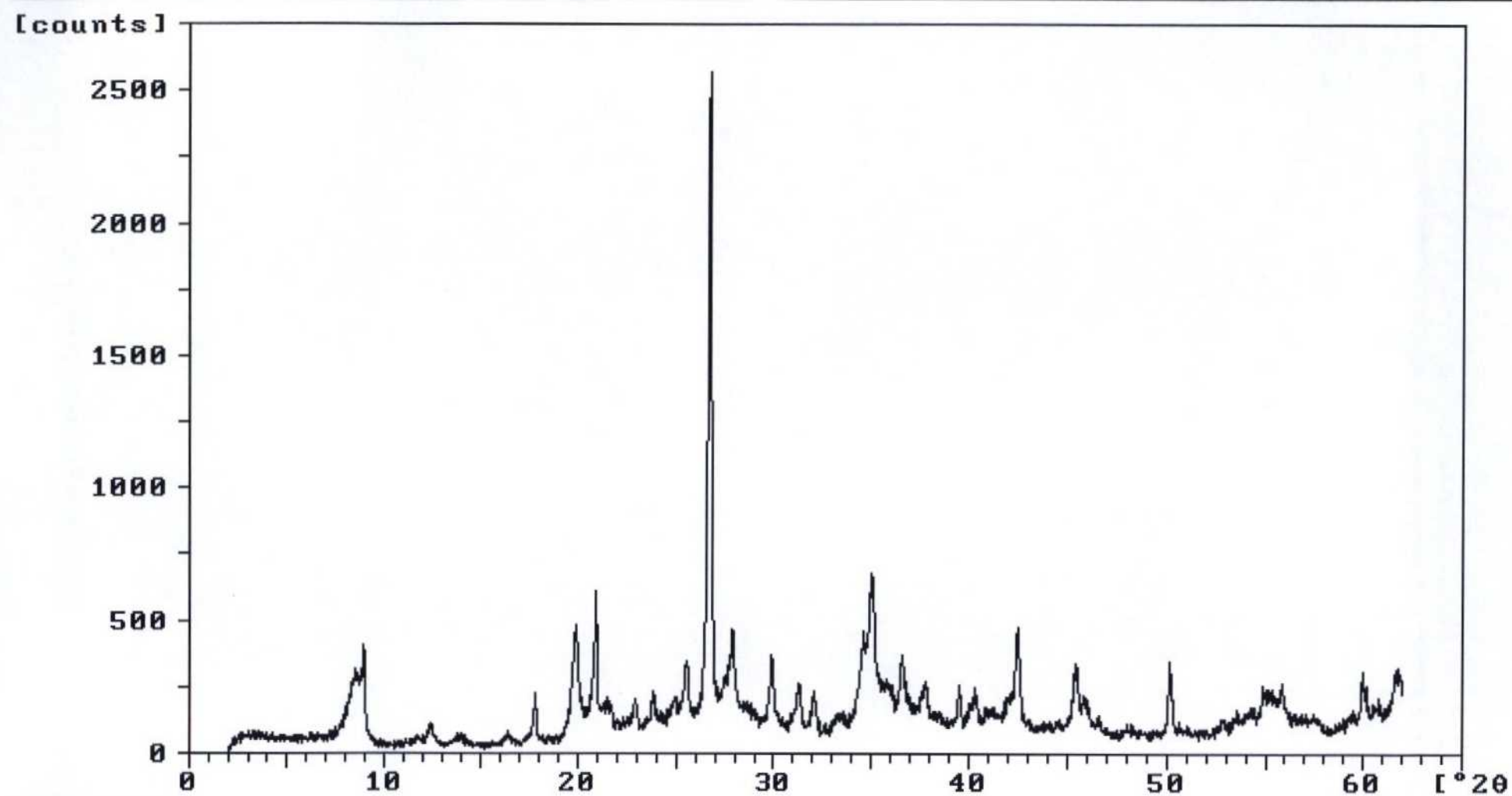
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285-14A.RD

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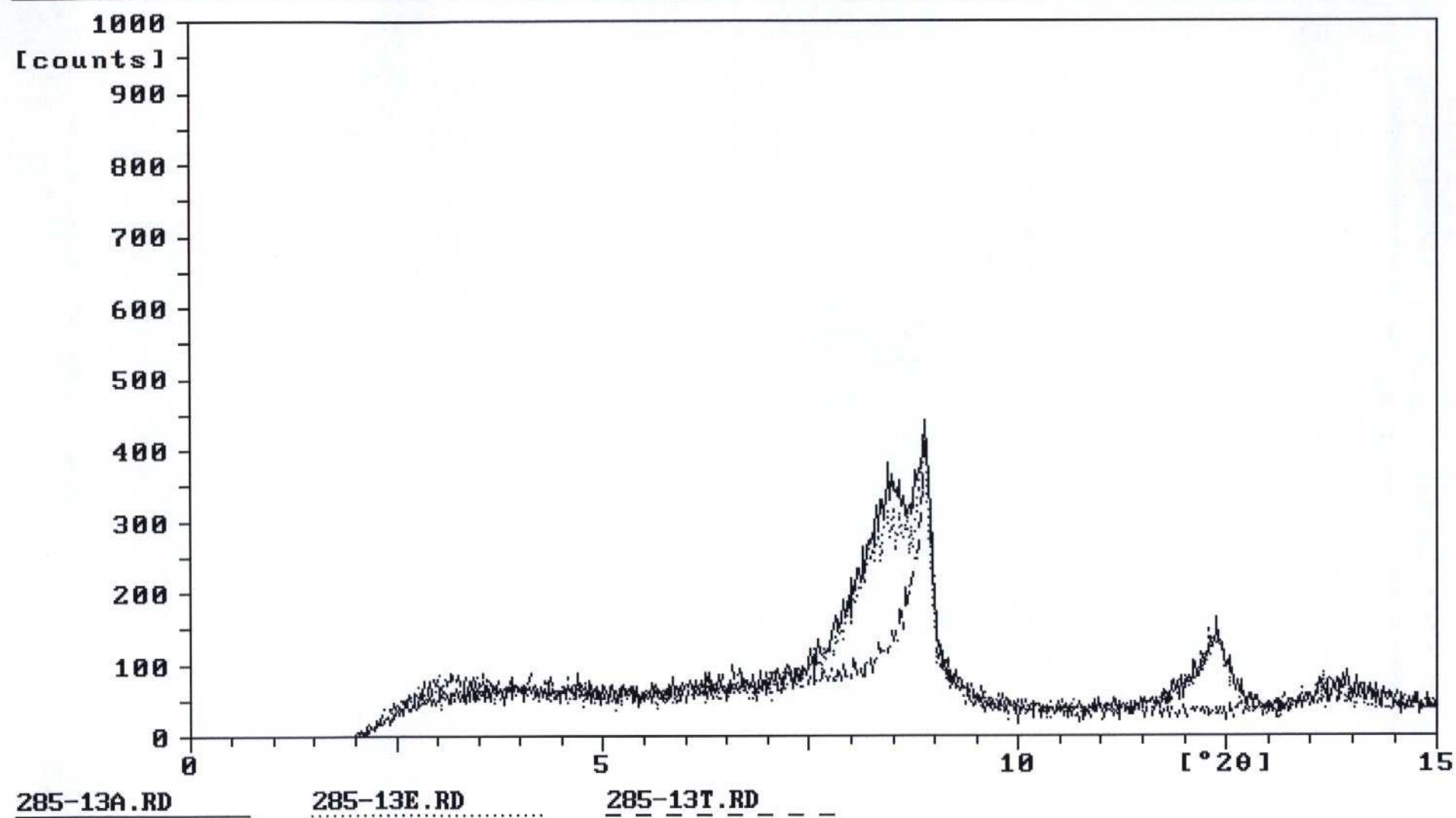
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98285-13.RD

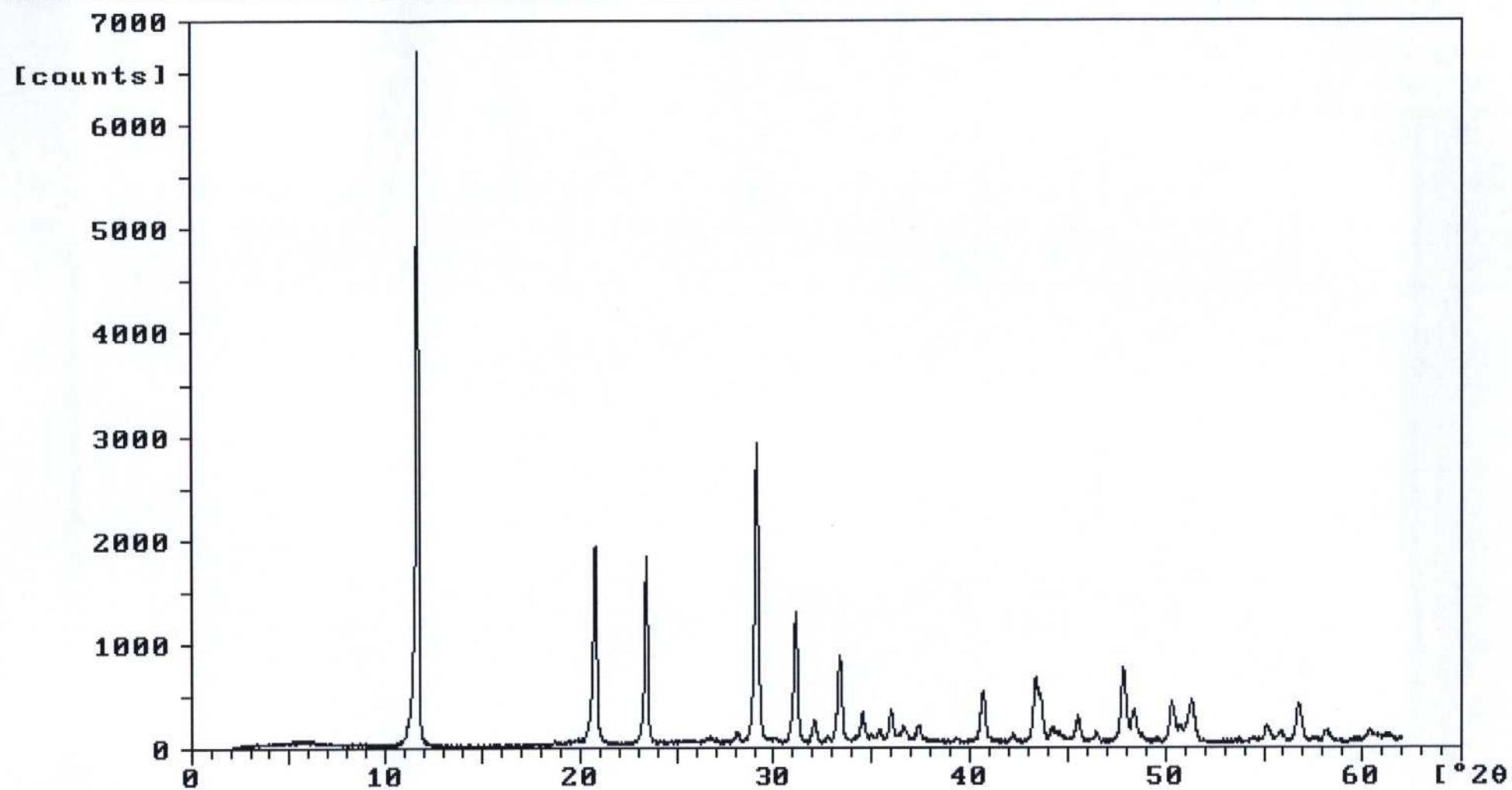
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Sample identification: 19-25 ITRM 0206

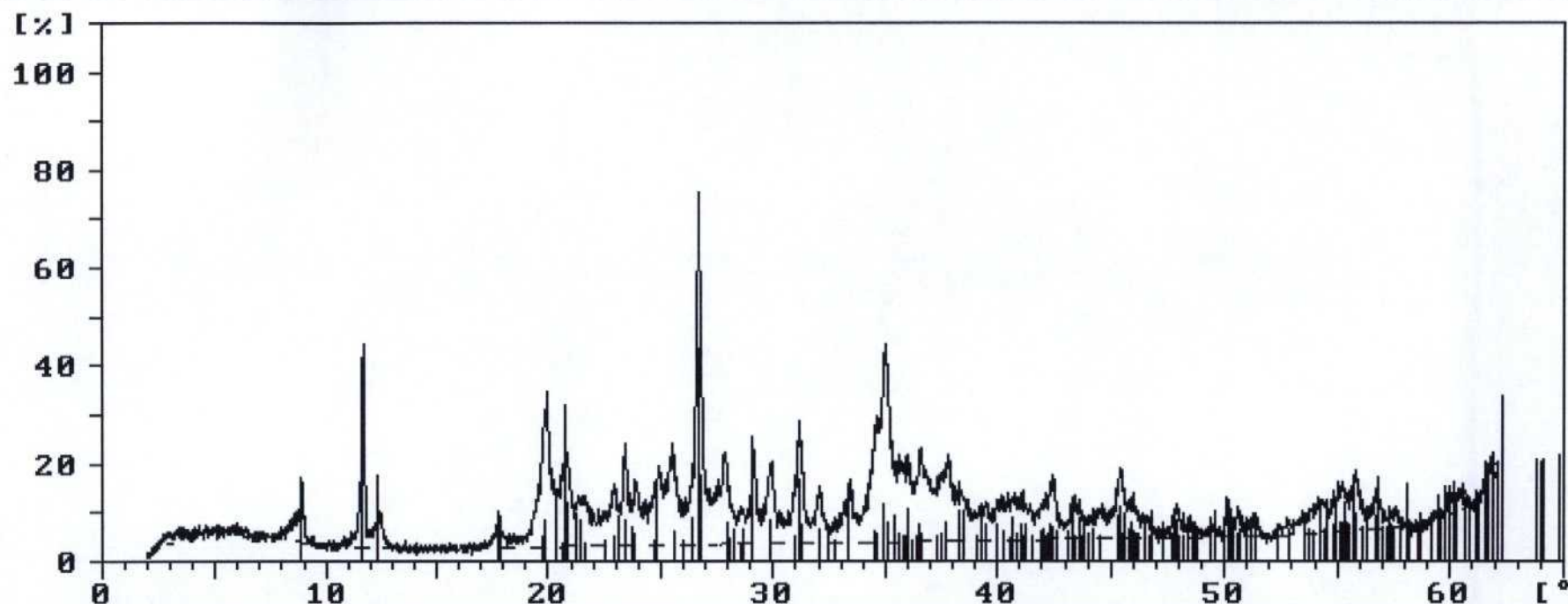
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98285-12.RD

Sample ident.: 19-25 ITRM 0205

27-Oct-1998 13:43



98285-11

33-1161

Quartz, syn

SiO₂

33-0311

Gypsum, syn

CaSO₄·2H₂O

07-0042

Muscovite-3T

(K,Na)(Al,Mg,Fe)₂(Si₃

06-0263

Muscovite-2M1

KAl₂(Si₃Al)_{0.10}(OH,F)₂

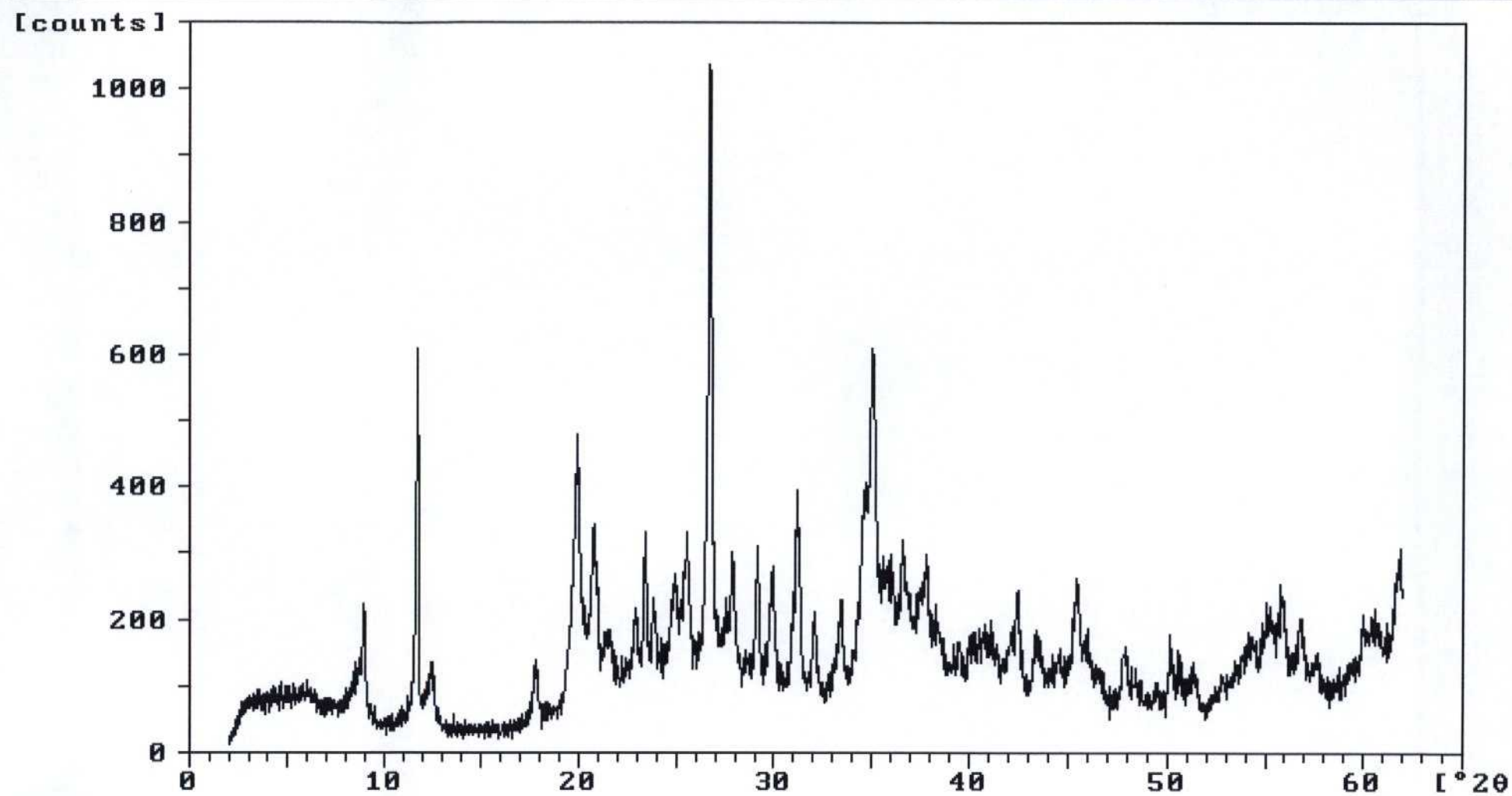
14-0164

Kaolinite-1A

Al₂Si₂O₅(OH)₄

Sample identification: 19-25 ITRM 0205

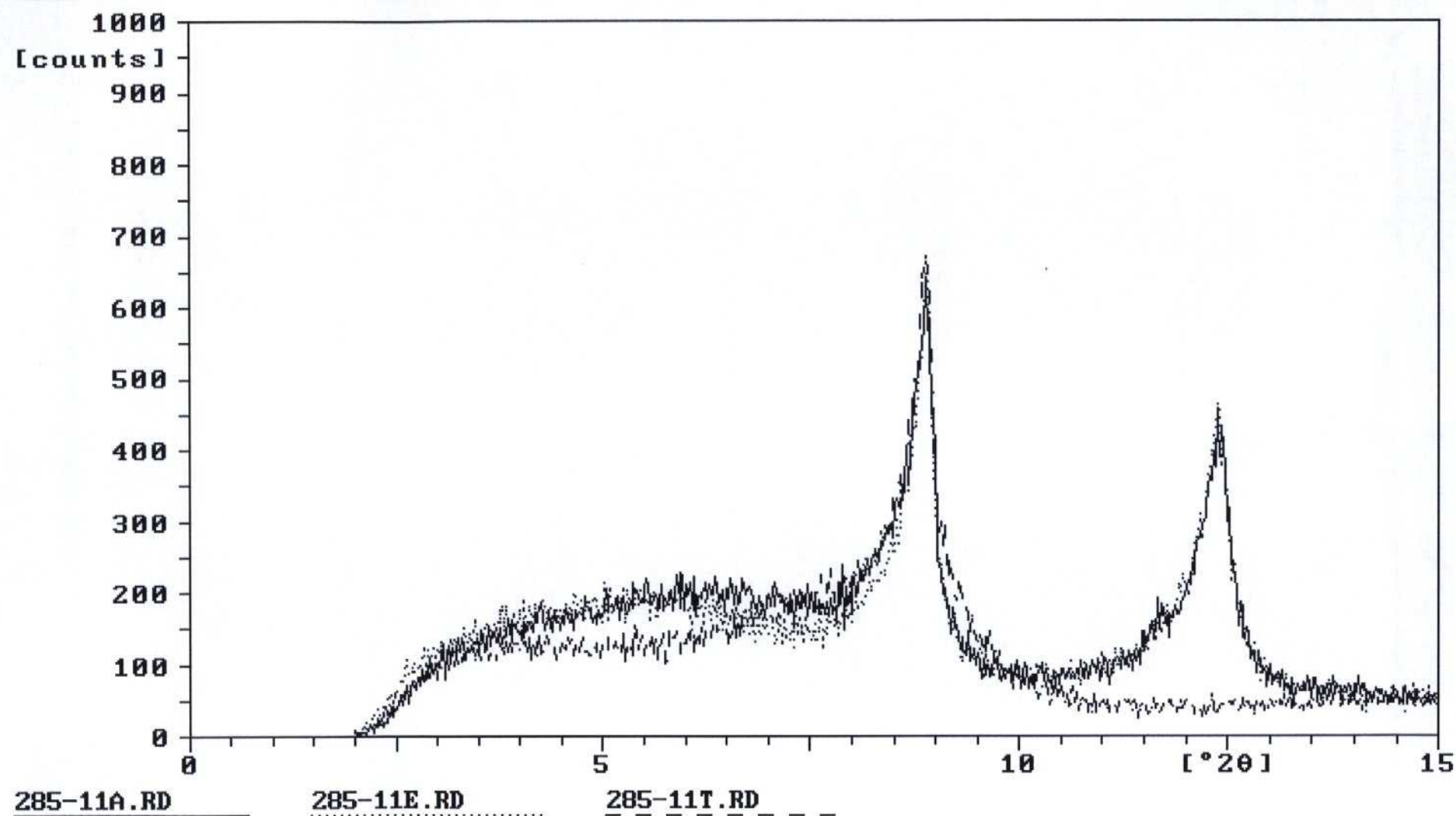
26-Oct-1998 17:55



98285-11.RD

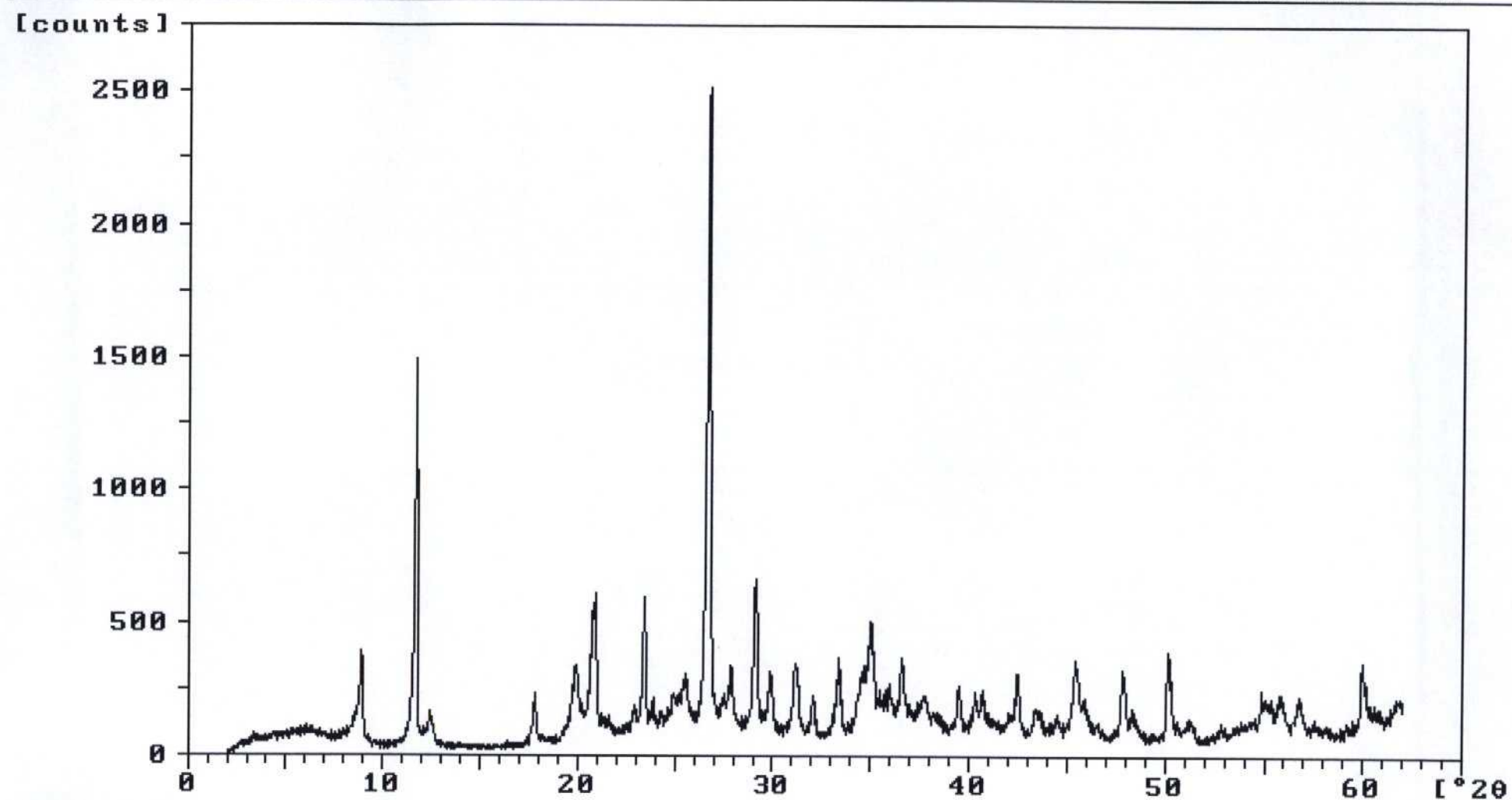
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Sample identification: 19-25 ITRM 0204

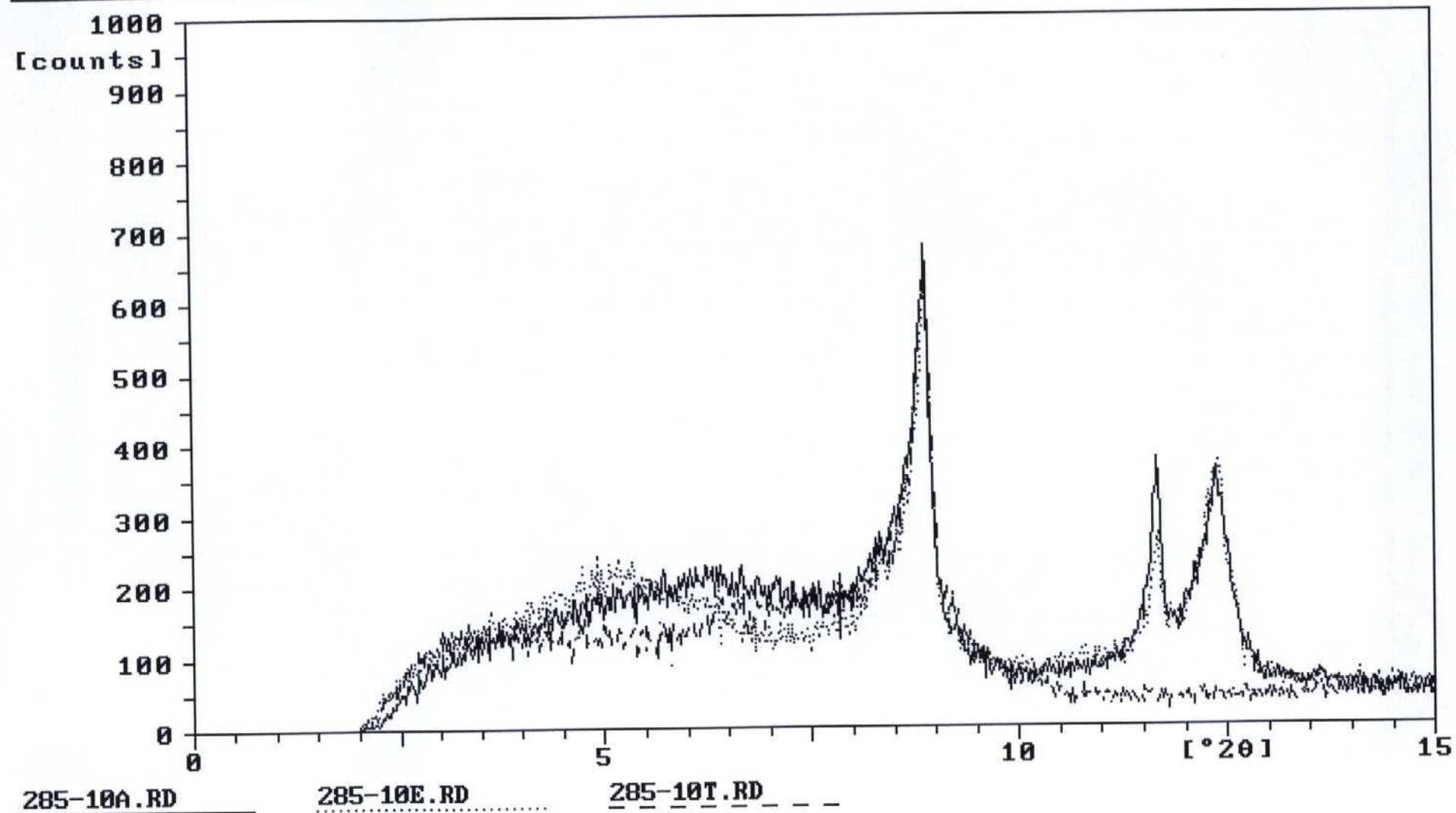
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98285-10.RD

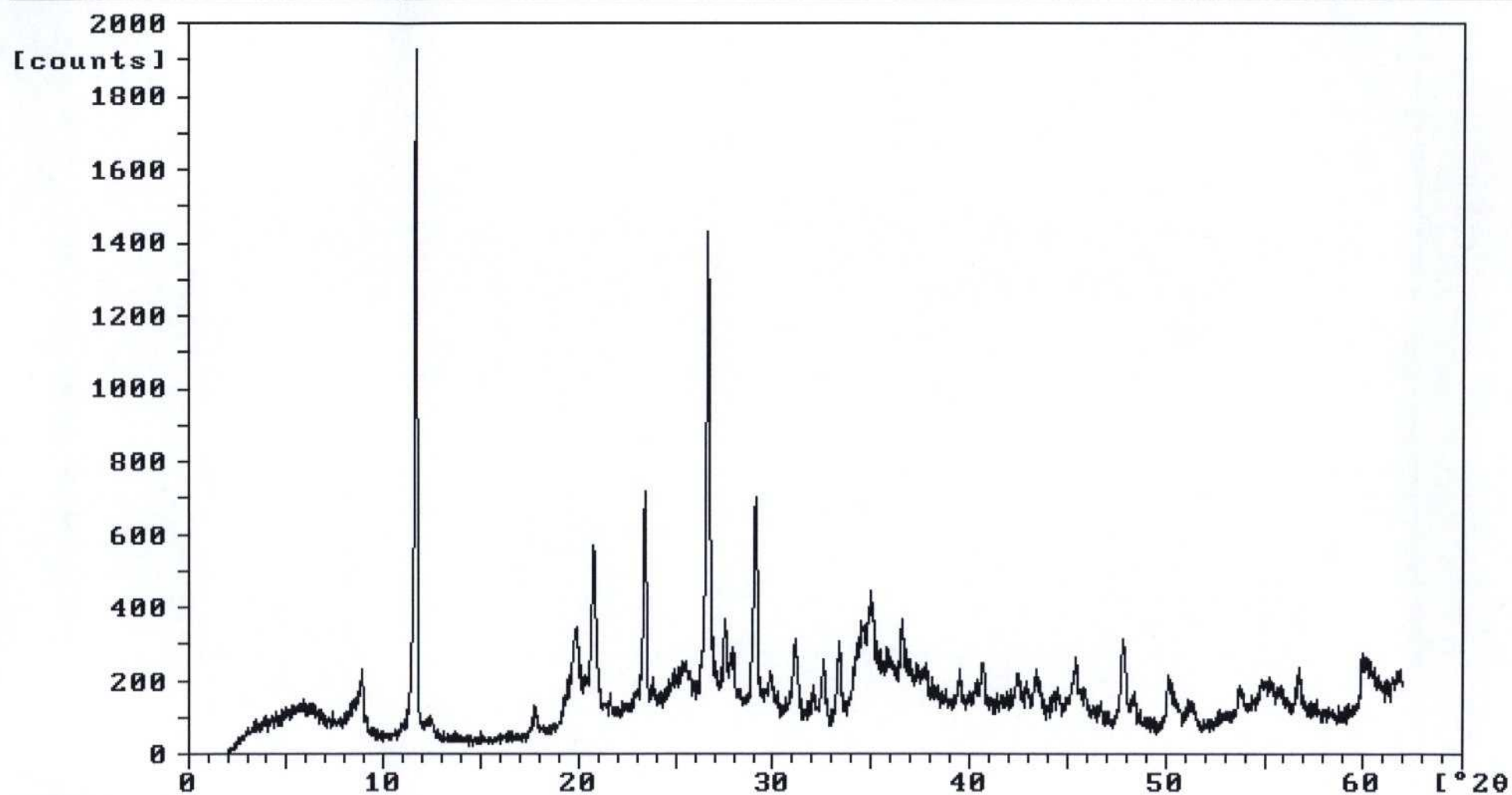
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Sample identification: 19-25 ITRM 0203

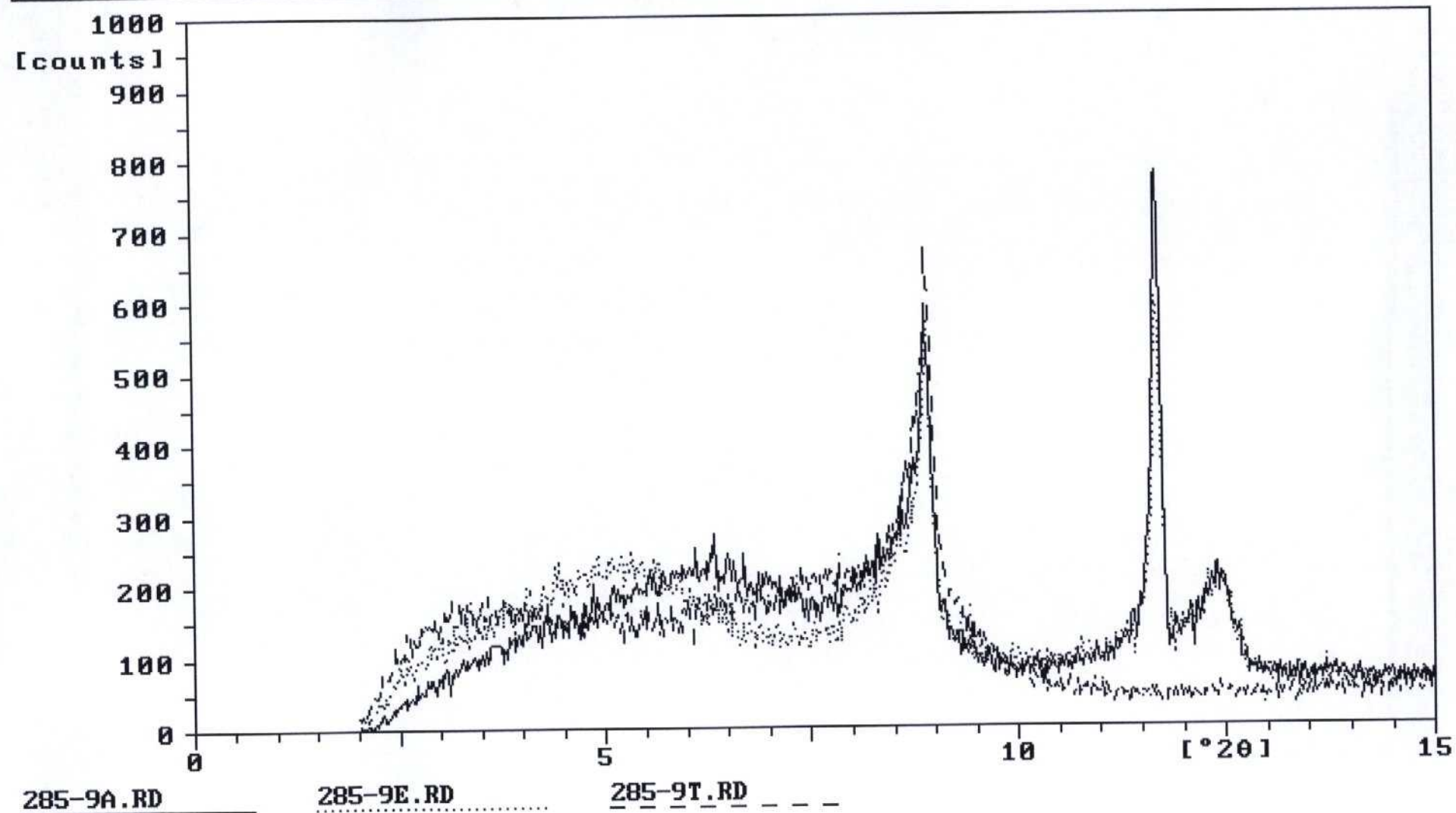
26-Oct-1998 17:54



98285-9.RD

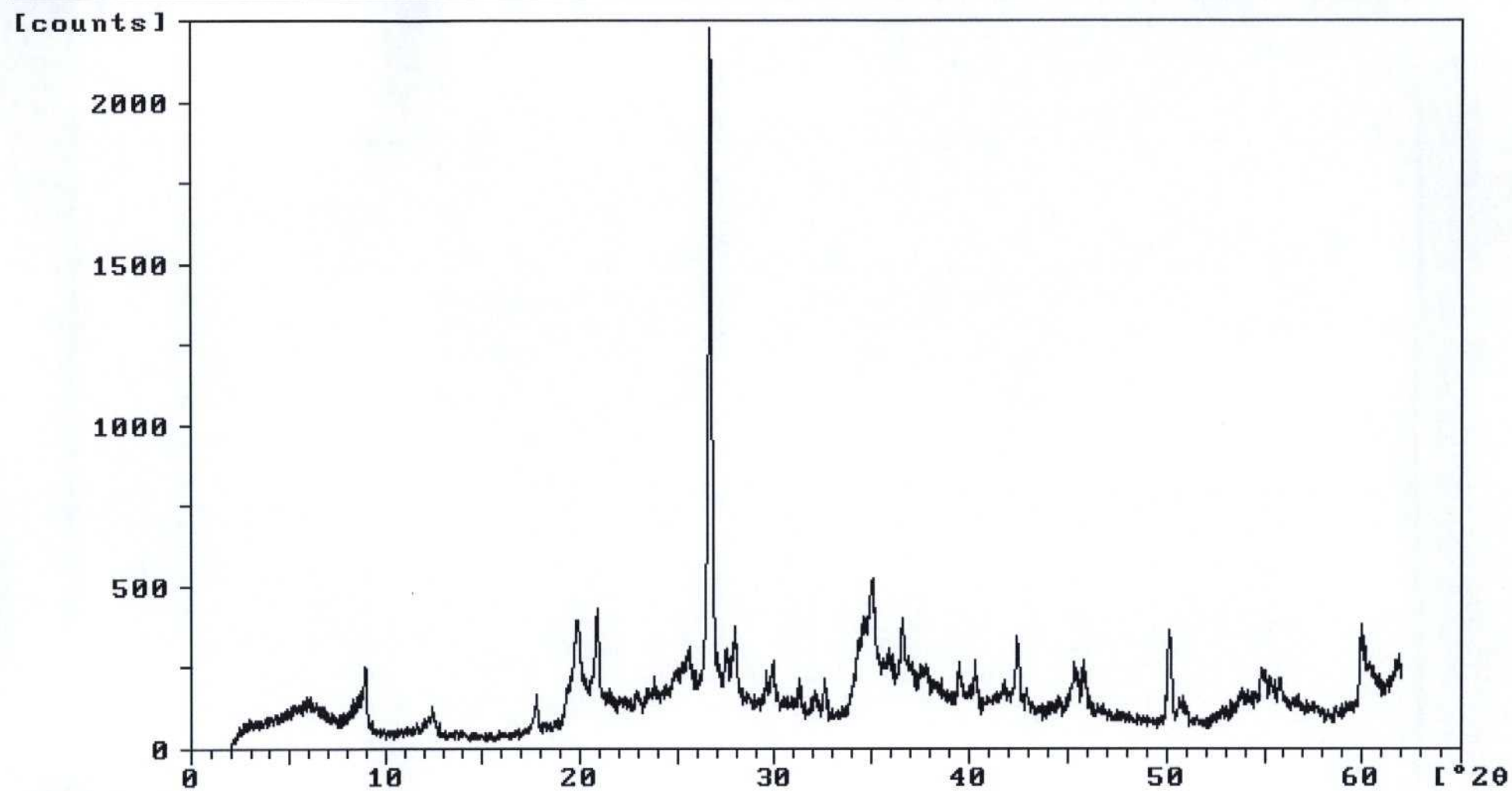
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27-Oct-1998 13:34



Sample identification: 19-25 ITRM 0202

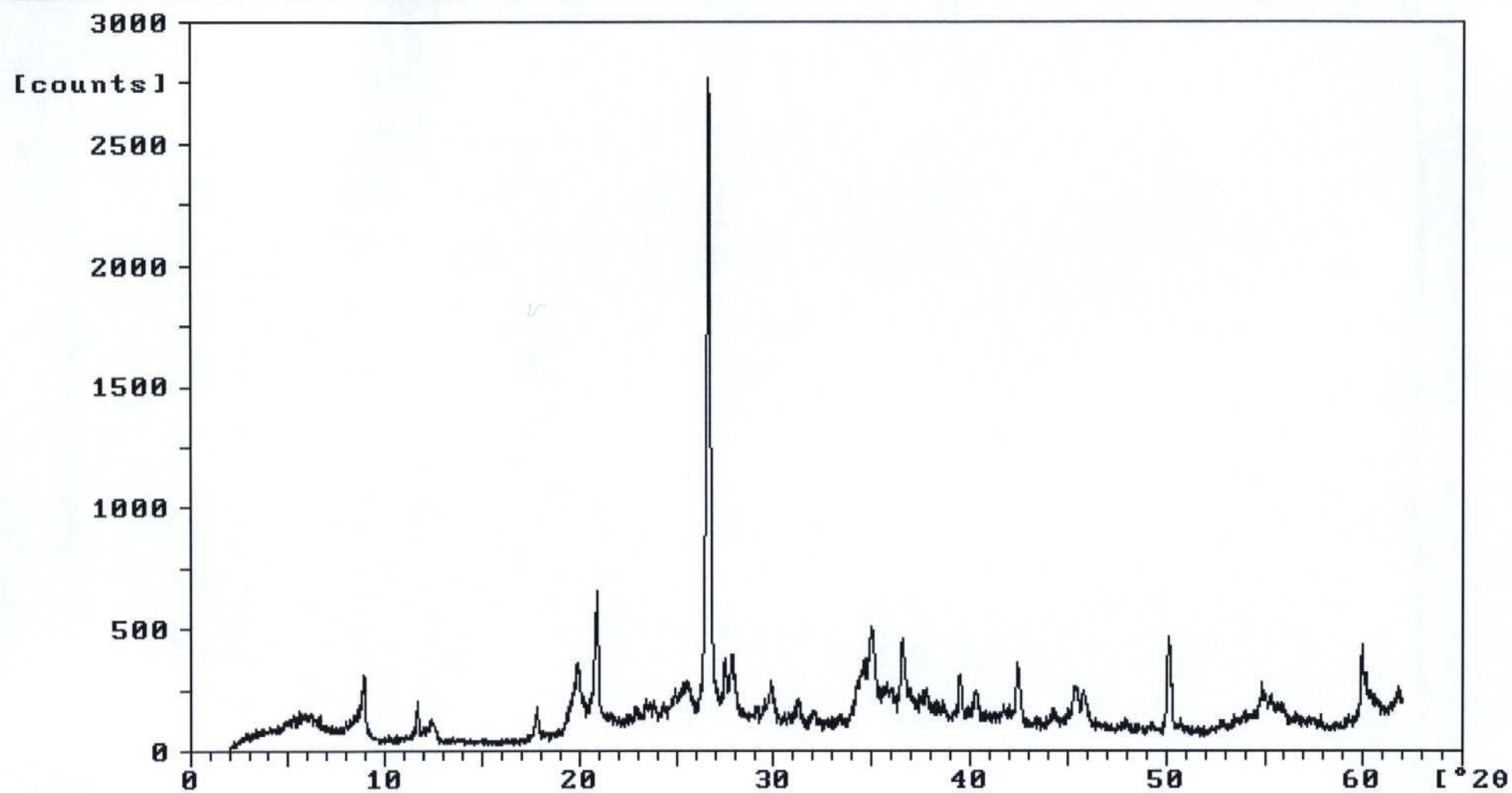
26-Oct-1998 17:53



98285-8.RD

Sample identification: 19-25 ITRM 0201

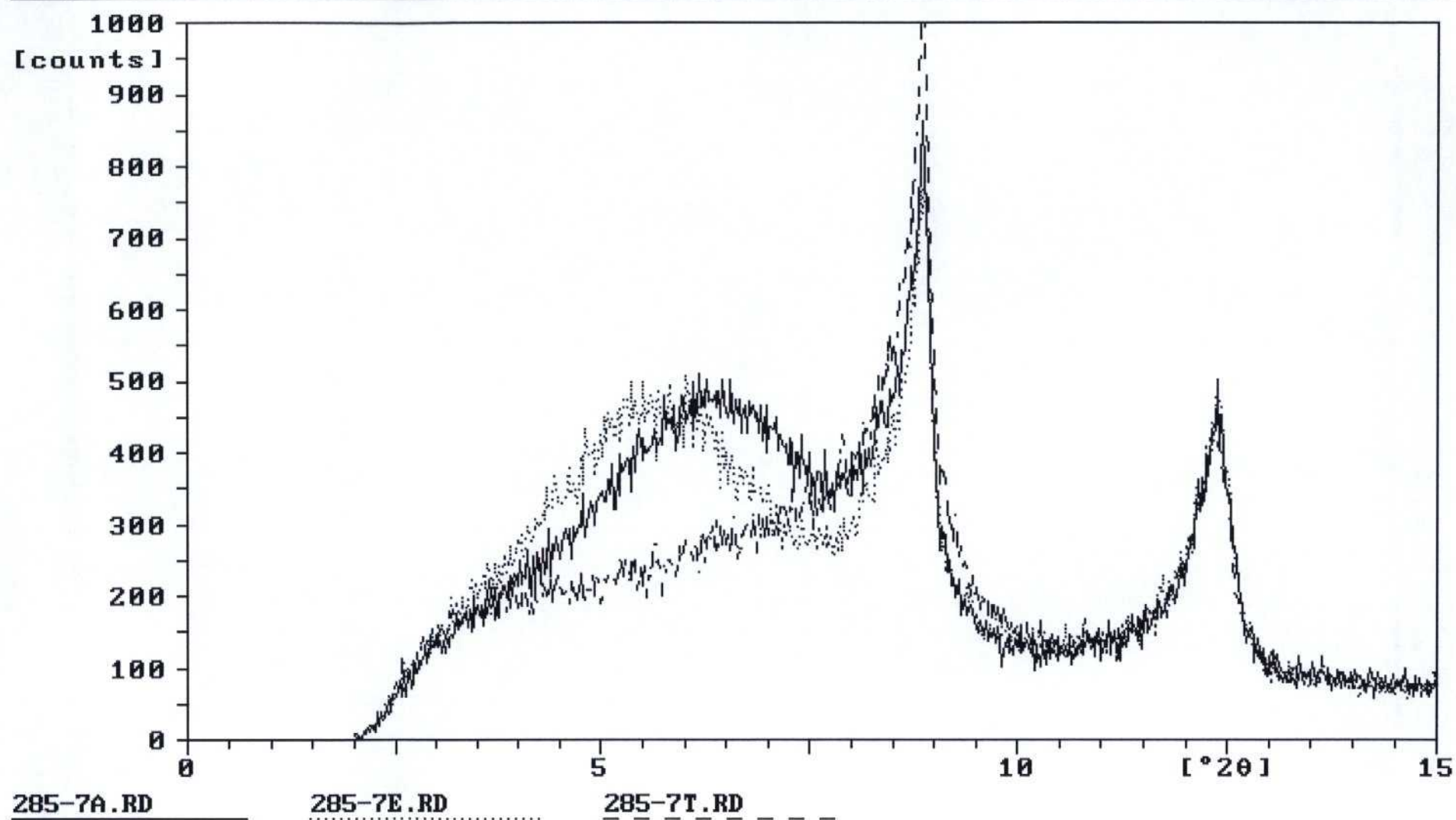
26-Oct-1998 17:53



98285-7.RD

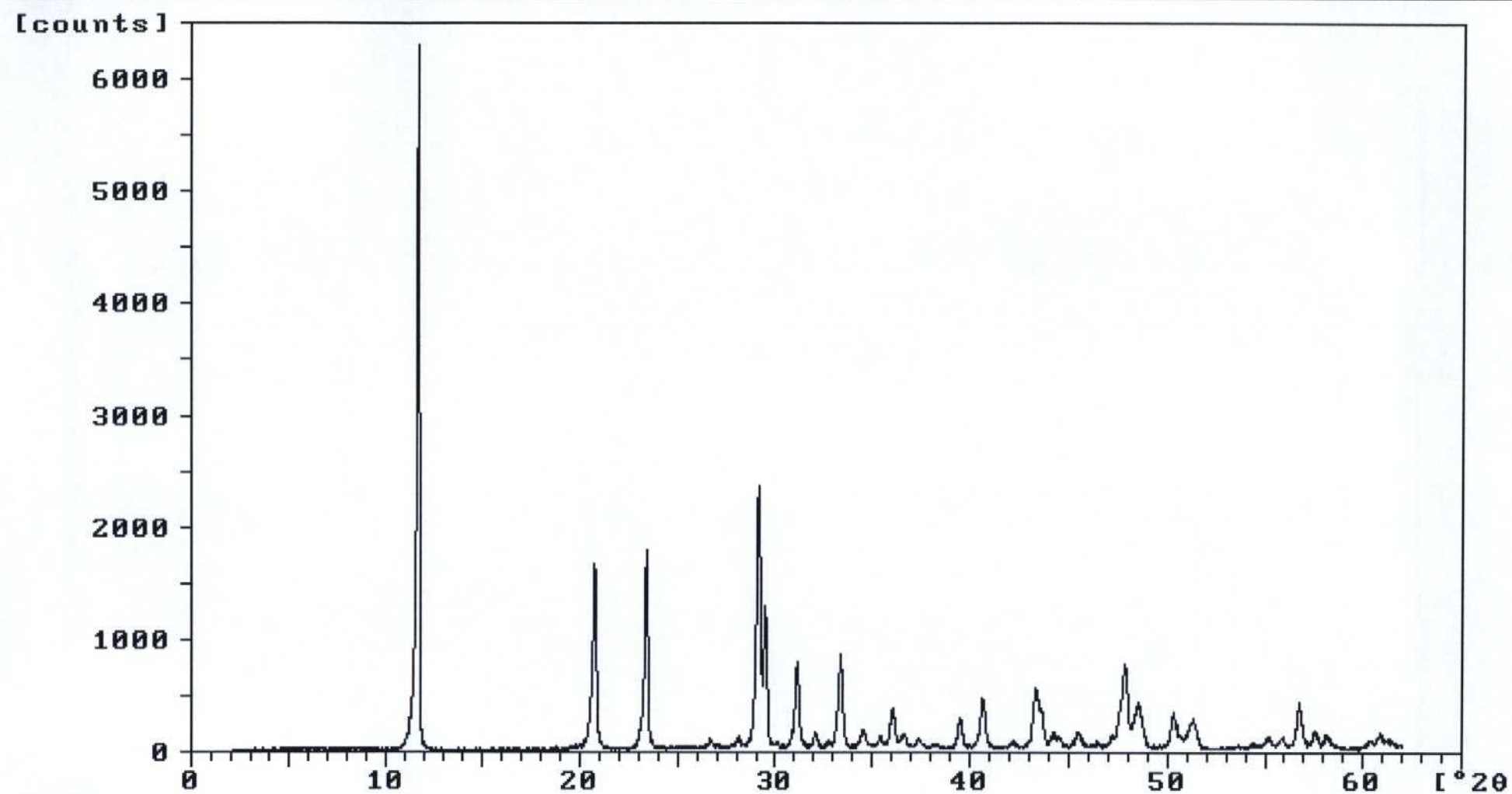
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27-Oct-1998 13:29



Sample identification: 19-25 ITRM 9025

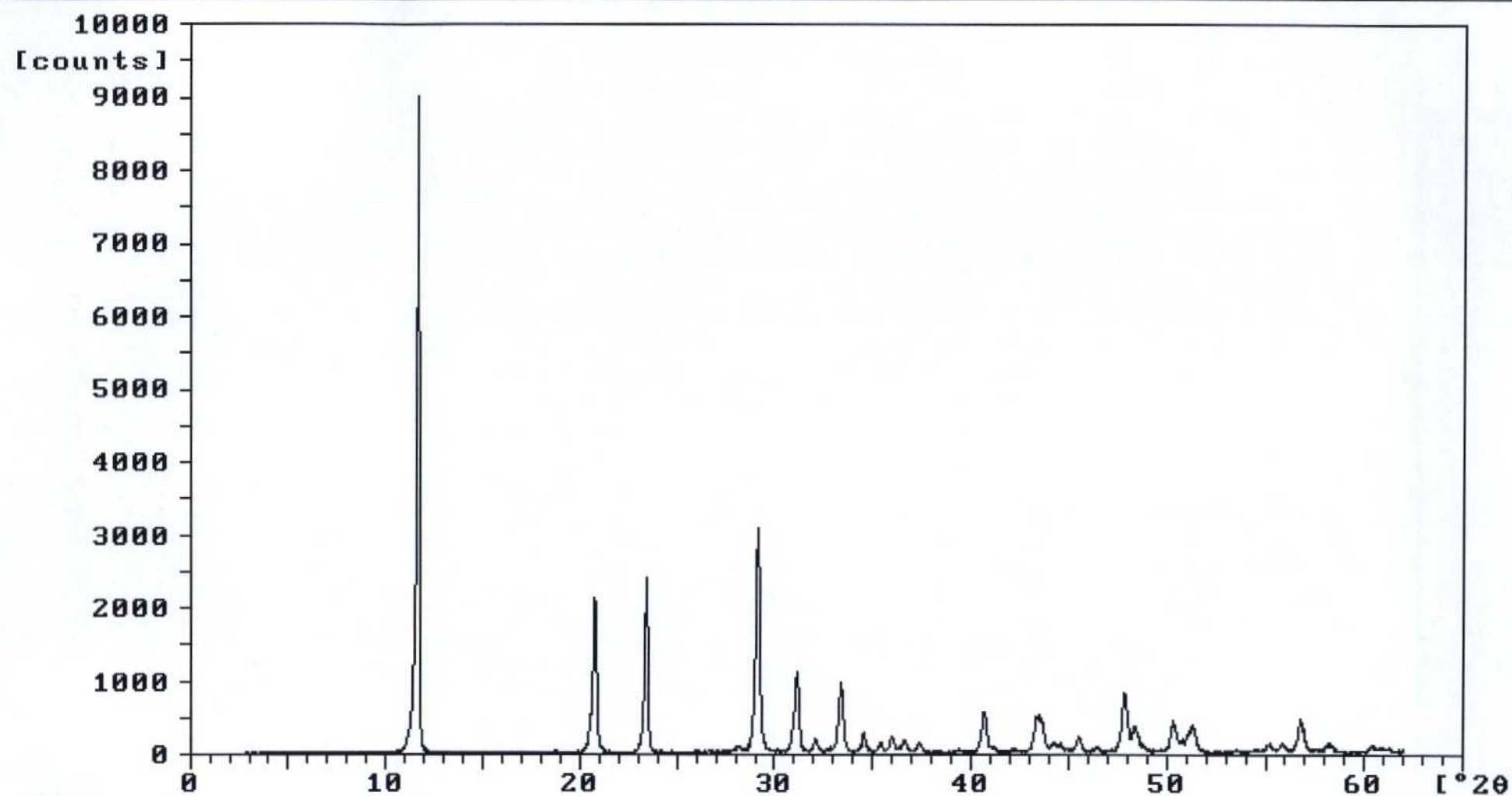
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98285-6.RD

Sample identification: 19-25 ITRM 9024

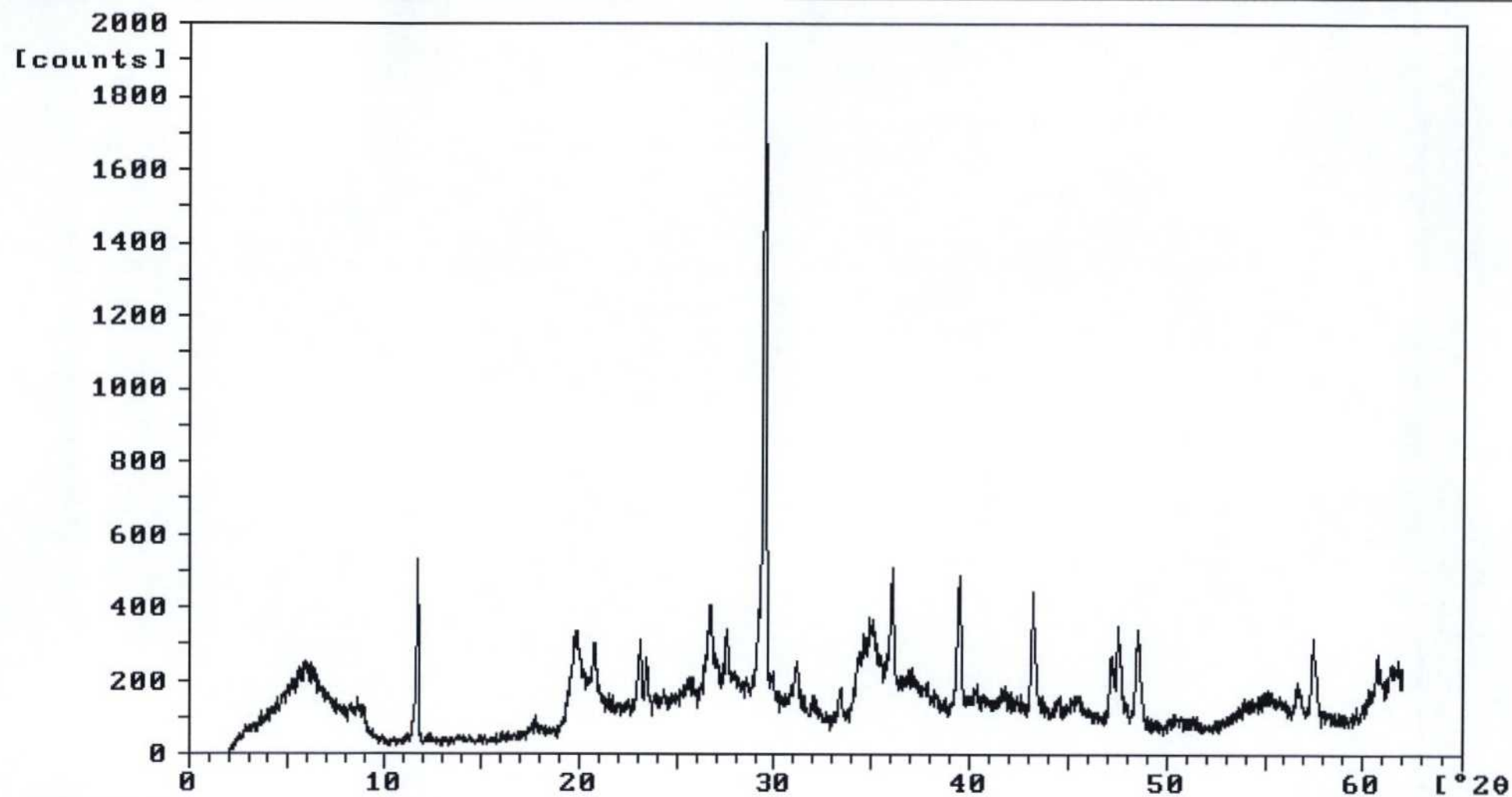
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98285-5.RD

Sample identification: 19-25 ITRM 9022

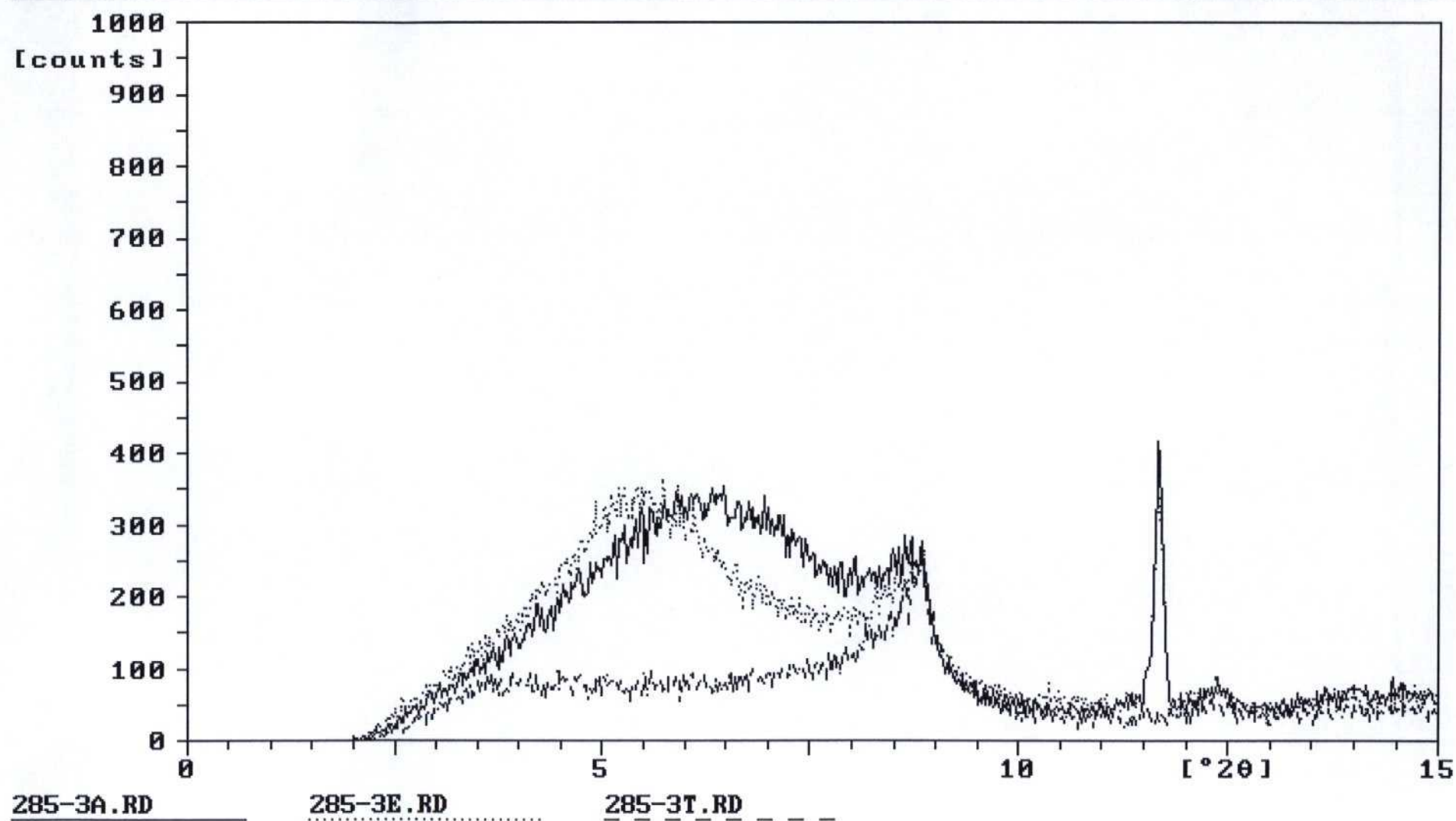
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98285-3.RD

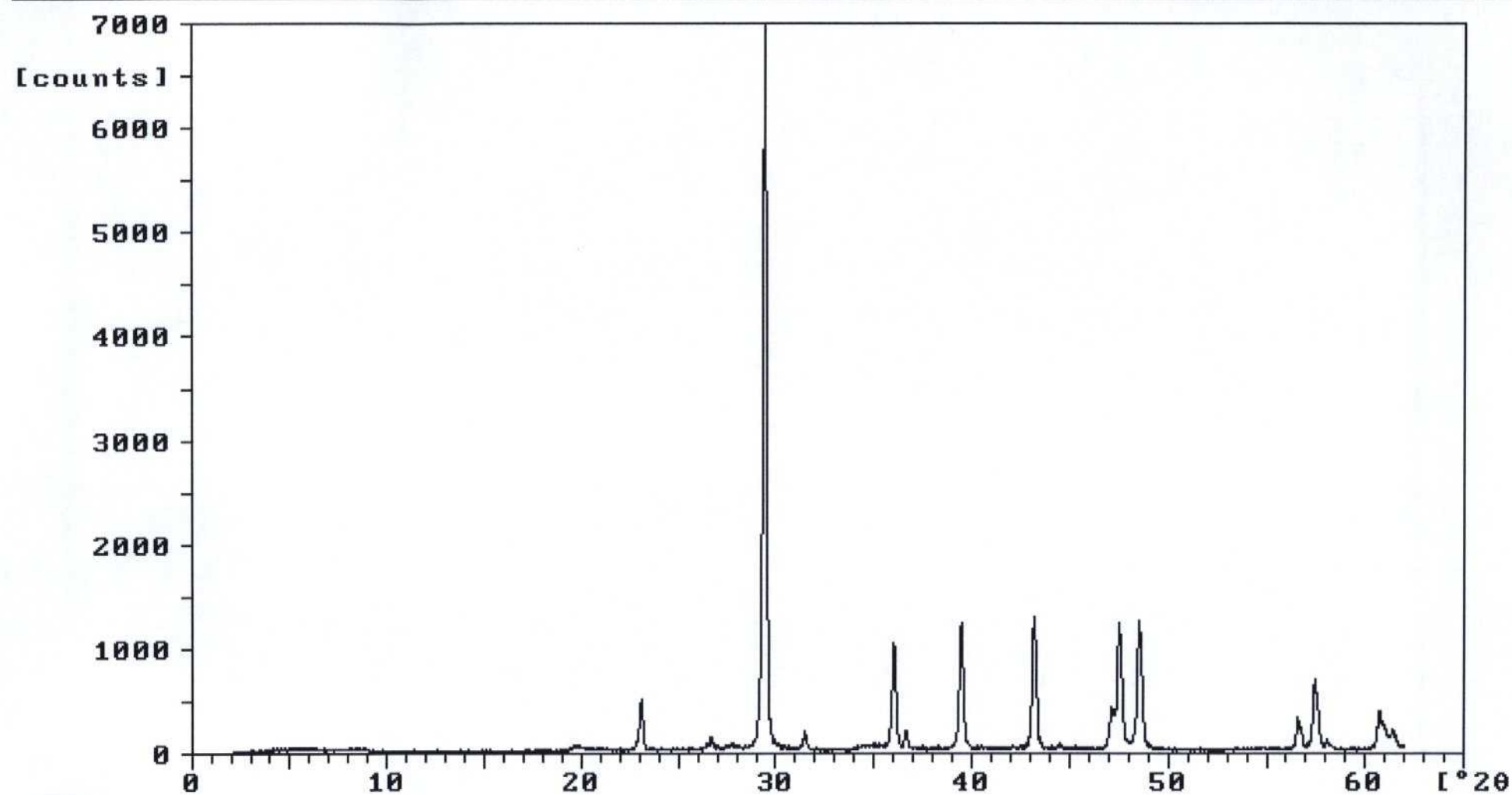
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27-Oct-1998 13:25



Sample identification: 19-25 ITRM 9021

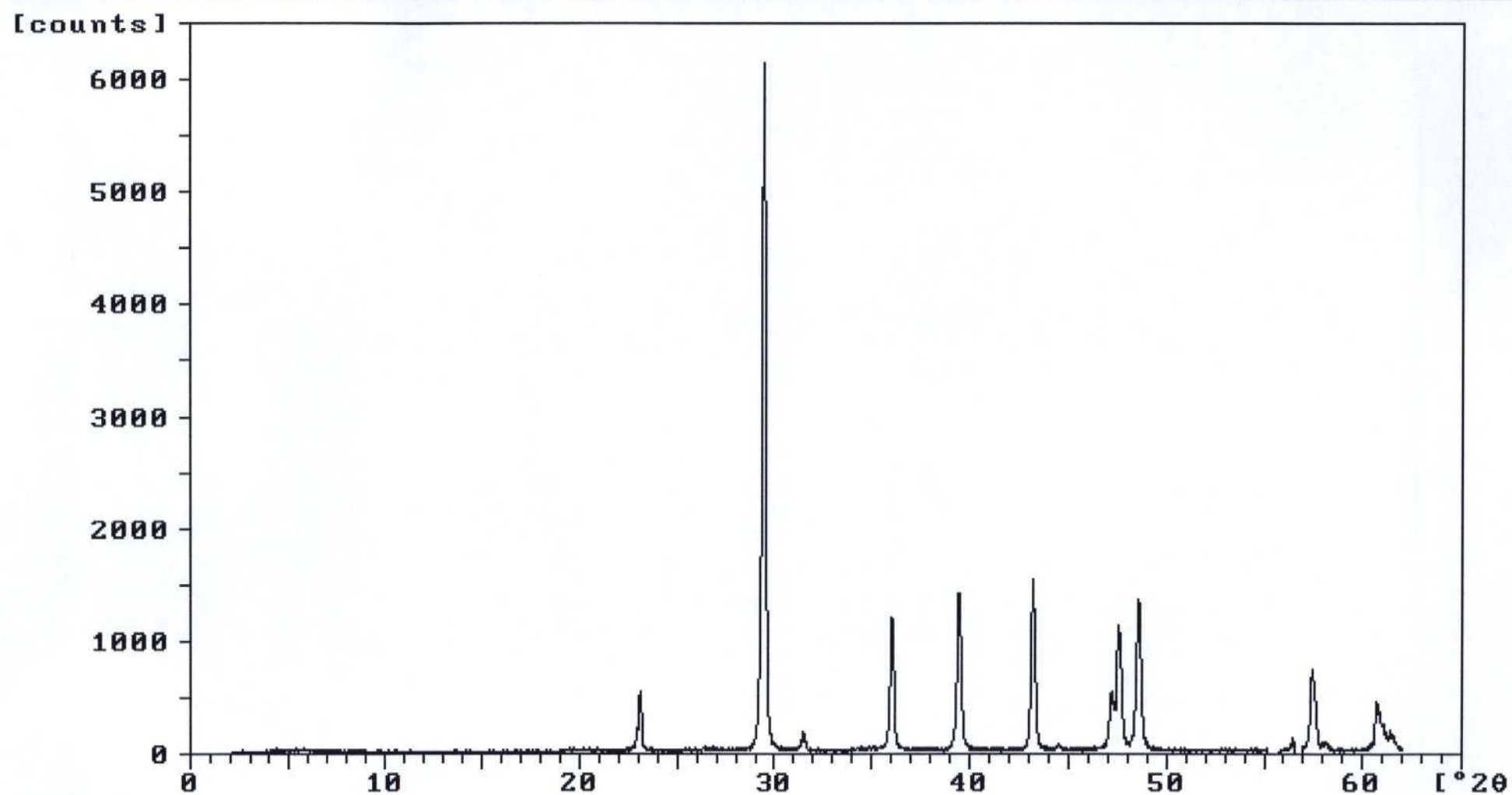
26-Oct-1998 17:51



98285-2.RD

Sample identification: 19-25 ITRM 9020

26-Oct-1998 17:51



98285-1.RD