



INTERNAL
CORRESPONDENCE

PLAINTIFF'S EXHIBIT

UC-3427

27a

UNION CARBIDE CORPORATION TECHNICAL CENTER

P.O. BOX 8361, SOUTH CHARLESTON, WV 25303

To: M. L. Mills
From: 511-2149
Subject: Institute Plant

Date: January 19, 1984

Re: 511 Industrial Hygiene/
Environmental Protection

Copy to: C. P. Maxwell
L. R. Noble
D. R. Paugh
R. E. Peele

Subject: Identification of an
Unknown Material

Dear Marshall:

The sample we collected from the field toilet, Construction shop area, which seemed to be oozing out from the floor has been analyzed by our R/D Skill Center. This material is identified as sodium carbonate. The report of analysis is attached.

Sodium carbonate is not considered to cause any serious health problems. Cleaning and patching up of the surface is all that is required to abate the problem. Please communicate this information to those who were working in the building.

Please call me if I can be of further assistance.

Very truly yours,

Manhar A. Patel

MAP/sc

Attachment

UCC 017237



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UNION CARBIDE CORPORATION TECHNICAL CENTER
P.O. BOX 8361, SOUTH CHARLESTON, WV 25303

To (Name)	M. A. Patel	Date	January 17, 1984
Division		Originating Dept.	R/D
Location	701 - 330	Area	E/TS
Area		Subject	IR Spectrum
Copy to	D. C. Best T. L. Dawson		

Dr. Patel,

Enclosed, please find a copy of the IR spectrum of the white powdery material found on the floor areas at the Institute plant.

This spectrum is a virtual match for sodium carbonate - a white, odorless, non-combustible, low toxicity material. I've also included a copy of a reference spectrum of this material for comparison. If I can be of further help in this matter please give me a call.

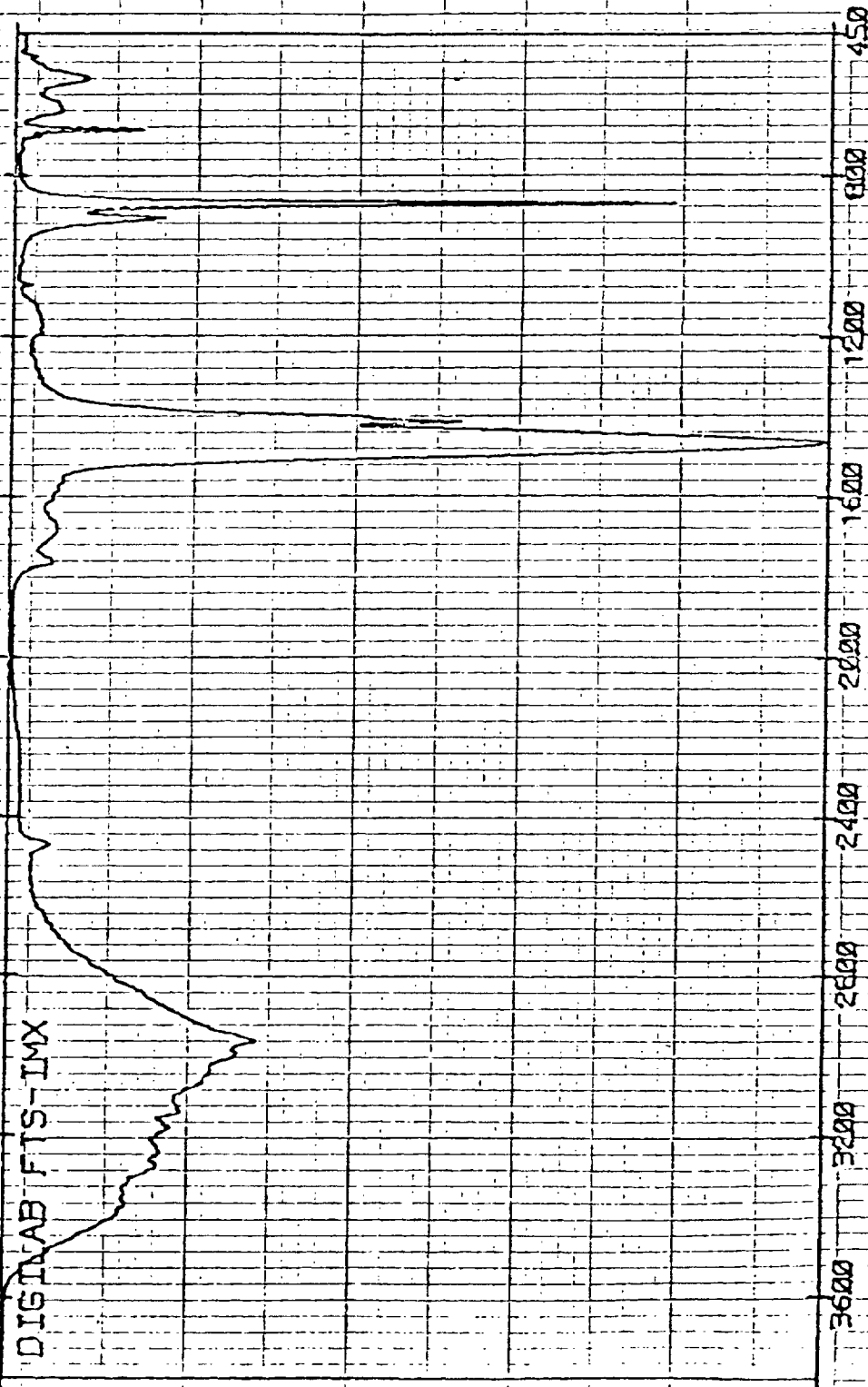
Sincerely,

Louis D'Esposito

L. D'Esposito

jr
Enclosures

DIGIAB FTS-IMX



WAVENUMBERS
UNKNOWN FROM MANHAR PATEL

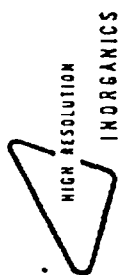
PFA=A11LD10401
NSCANS=100
FCT=AL

RES=4 DP

1/17/83 1:41:39

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Y 13c

SODIUM CARBONATE, HYDRATE

Mol. Form. $\text{CNa}_2\text{O}_3 \cdot \text{H}_2\text{O}$

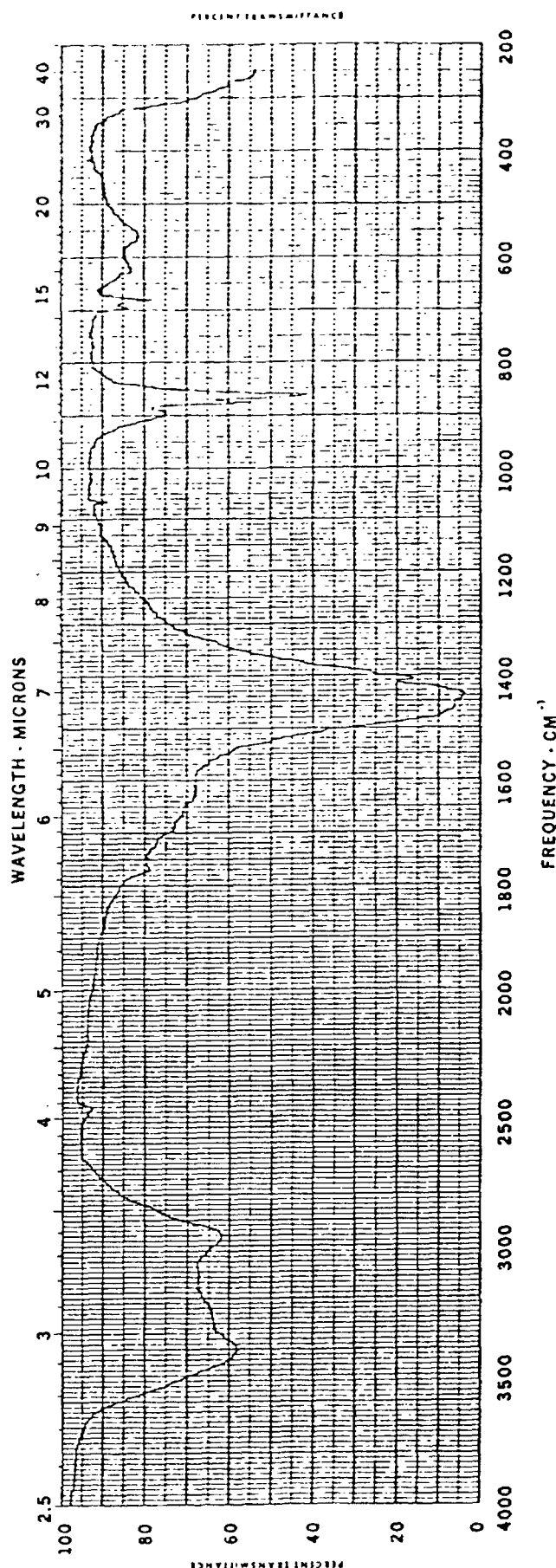
Mol. Wt. 124.01 M. P. 100°C (-H₂O)

Sp. gr. 1.55 n_D 1.506-1.509 (lit.)

Source: Mallinckrodt Chemical Works,

St. Louis, Mo.

Method: KBr Wafer



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