



American Research and Testing Inc.

14934 SOUTH FIGUEROA STREET
GARDENA, CALIFORNIA 90248
(310) 538-9709 FAX (310) 538-9965

CLIENT: Sola-Tube North America Ltd.
5825 Avenida Encinas Ste. 101
Carlsbad CA 92008

NUMBER
94018
February 18, 1994

SUBJECT: UV Transmission of Plastics

REFERENCE:

Tests and charges were authorized by Mr. Bing Chao.

SAMPLE DESCRIPTION:

The Client submitted and identified the following Sola-Tube parts:

- 1) Dome
- 2) Diffuser

REQUEST:

Obtain a UV transmission spectrum of each plastic.

METHOD:

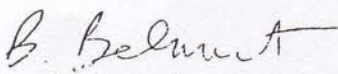
A Shimadzu UV-160 UV-Visible Recording Spectrophotometer was used to obtain the ultraviolet transmission spectrum from 200-400 nm of each plastic.

RESULTS:

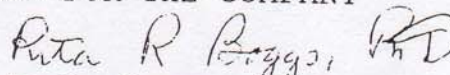
The UV transmittance of the dome plastic drops abruptly to 0.3% at approximately 375 nm, and remains at 0.3% down to 200 nm.

The UV transmittance of the diffuser plastic drops below 3% at approximately 350 nm, with transmittance maxima of 2.4% and 1.1% at 316 nm and 267 nm respectively.

Copies of the ultraviolet spectra are included with this report.


B. Belmont
Senior Chemist

SIGNED FOR THE COMPANY

by 
Rita R. Boggs, Ph.D.
President

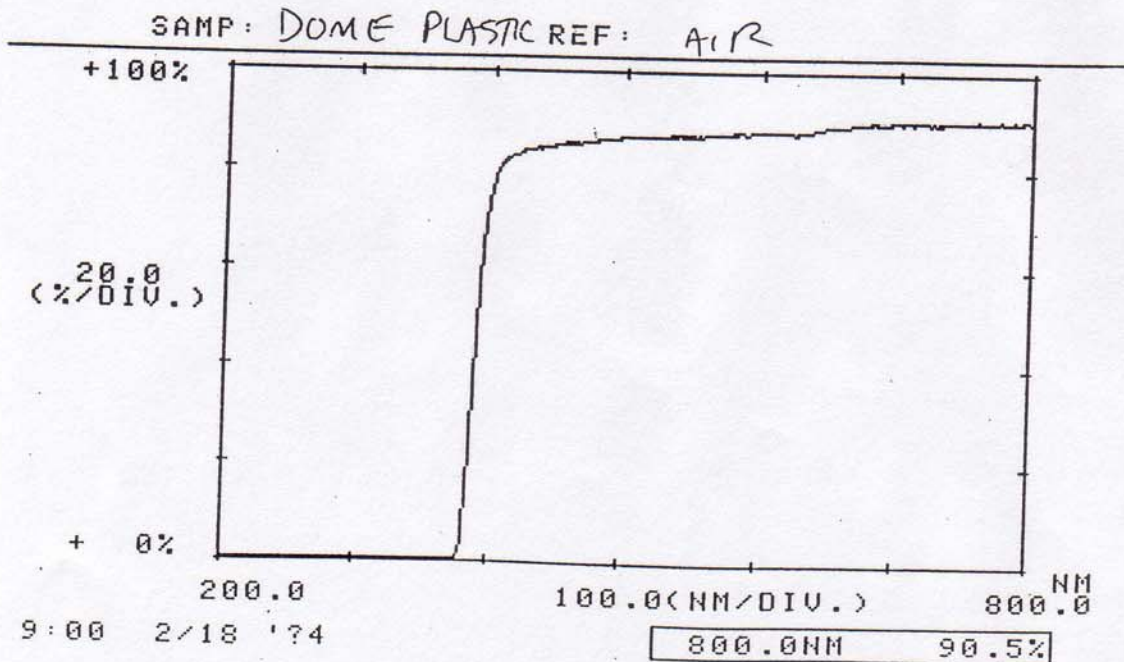
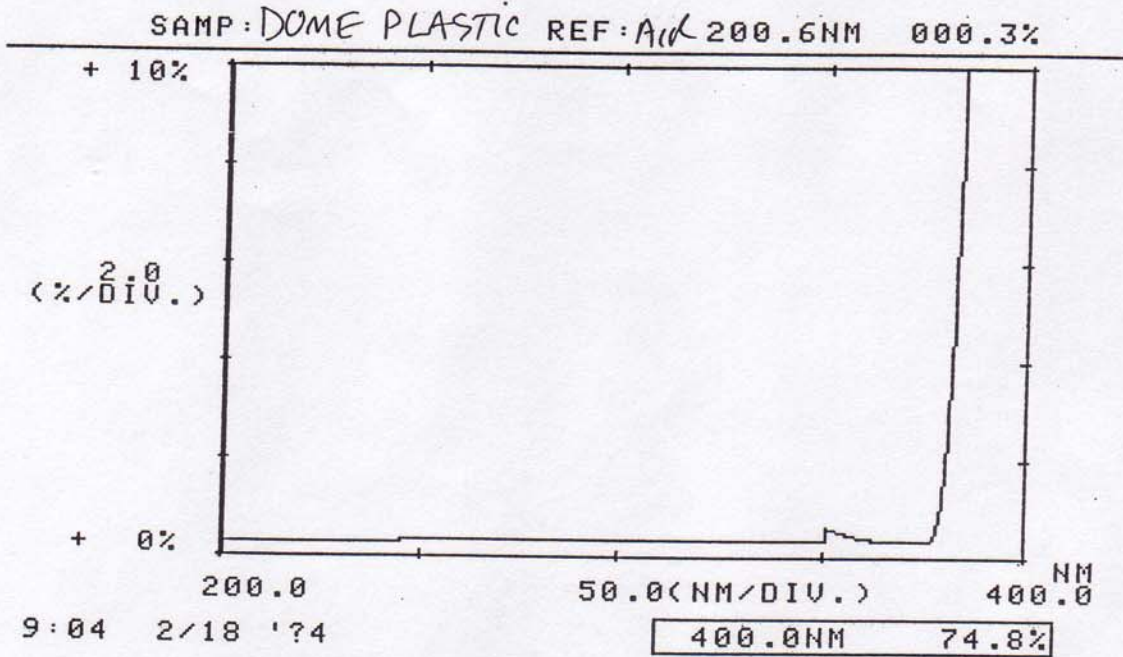


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UV Transmission Spectra of Dome:





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UV Transmission Spectra of Diffuser:

