

Certificate of Analysis

Client: TriMas
12850 E. 40th Ave.
Denver, CO, 80239

Project Number: 39869059886
Revision: 0
CofA Issued Date: 18 JUL 2025
Attachments: Spectral Transmission Scan

Contact: Tim Allarid
tim.allarid@trimas.com

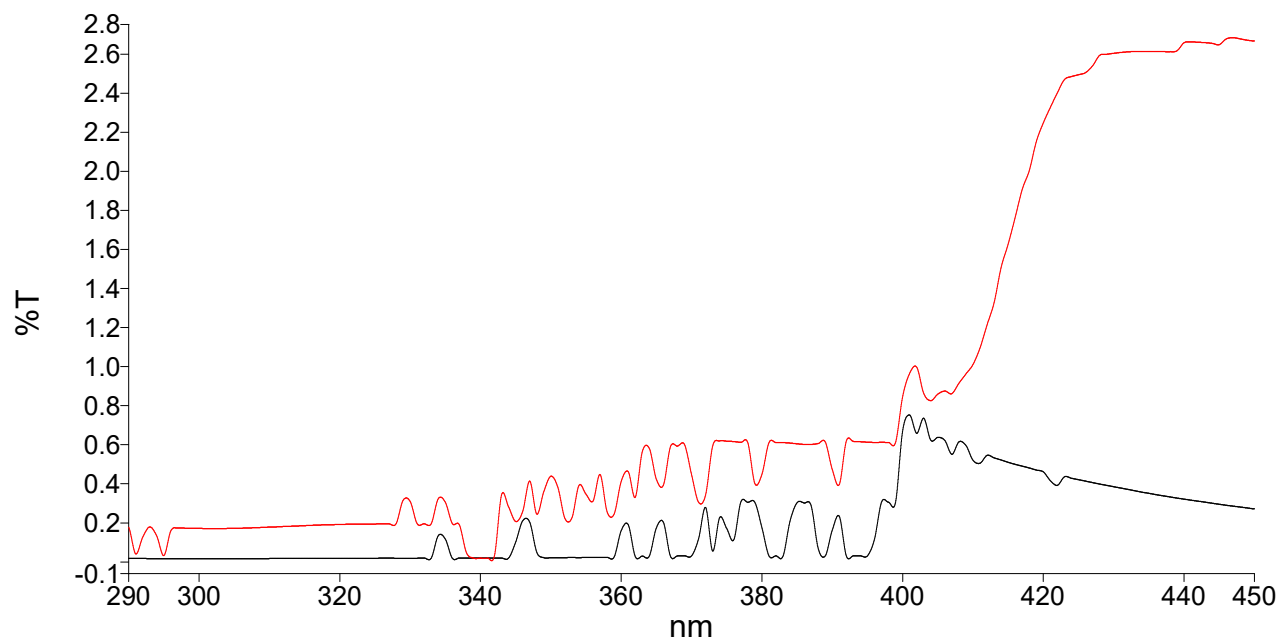
Test Method(s): USP–NF 2025, Issue 1, May 1, 2025: <671> Spectral (Light) Transmission

Sample ID: 39869059886.1, Sample #1: Black 116mm tube, mold -010				
Test	Date Started	Acceptance Criteria	Result	Comment
USP <671> Spectral Transmission	17Jul2025	The observed spectral transmission does not exceed 10% at any wavelength in the range of 290–450 nm.	Maximum transmission between 290-450nm: 1% @ 401 nm	Conforms

Sample ID: 39869059886.2, Sample #2: White 116mm tube, mold -010				
Test	Date Started	Acceptance Criteria	Result	Comment
USP <671> Spectral Transmission	17Jul2025	The observed spectral transmission does not exceed 10% at any wavelength in the range of 290–450 nm.	Maximum transmission between 290-450nm: 3% @ 447 nm	Conforms

Laboratory Review:	Quality Assurance Approval:

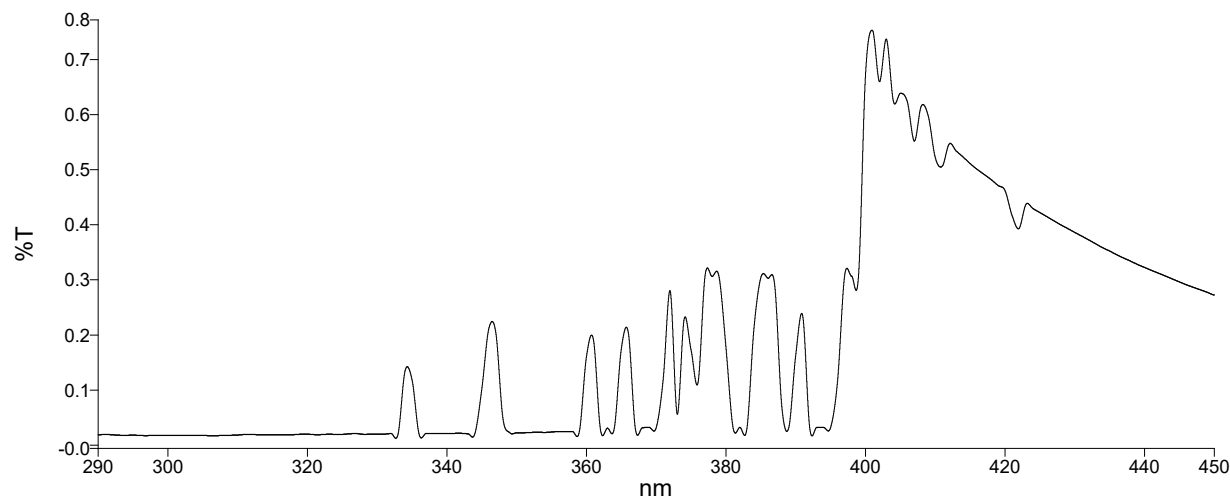
Raw Spectra



Name	Description
39869059886.1.Sample	
39869059886.2.Sample	

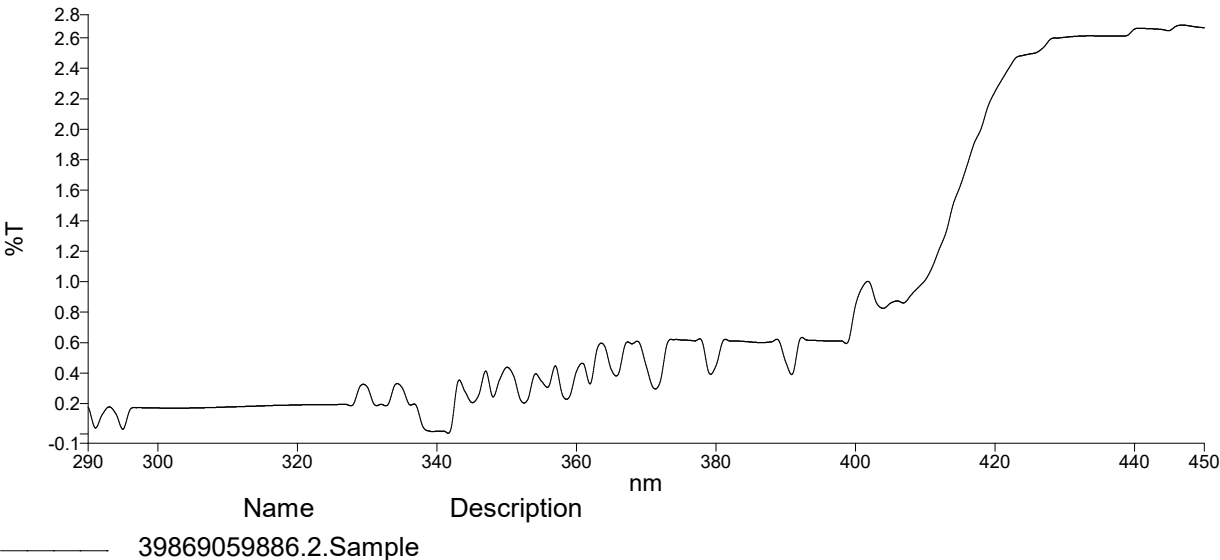
Instrument Settings

Scan Range Start	450	nm
Scan Range End	290	nm
Scan Speed	480	nm/min
Data Interval	1	nm
Cycle Count	1	
Cycle Time	1	s
Ordinate Type	%T	
Slit Width	5	nm
UV Lamp On	Yes	
Visible Lamp On	Yes	
Lamp Change-over Wavelength	400	nm
Method	USP 671 & 661.2 %T	
Analyst	Luke DeRenzo	
Time	July 17, 2025 11:53 Eastern Daylight Time	



Name Description
39869059886.1.Sample

Sample ID	Description	Max (%T)	Max %T @ (nm)
39869059886.1.Sample		0.7536	400.9
39869059886.2.Sample		2.685	447



Sample ID	Description	Max (%T)	Max %T @ (nm)
39869059886.1.Sample		0.7536	400.9
39869059886.2.Sample		2.685	447