

**Qualification Lab Averages**

Test # 1 Average	
Reflectance Set Point	Time
100 %	0 Seconds
90 %	51.3 Seconds
80 %	160.1 Seconds
70 %	252.7 Seconds
60 %	309.2 Seconds

Test # 2 Average	
Reflectance Set Point	Time
100 %	0 Seconds
90 %	55.7 Seconds
80 %	163.2 Seconds
70 %	249.8 Seconds
60 %	301.6 Seconds

Test # 3 Average	
Reflectance Set Point	Time
100 %	0 Seconds
90 %	55.3 Seconds
80 %	161.9 Seconds
70 %	247.3 Seconds
60 %	298.2 Seconds

Test # 4 Average	
Reflectance Set Point	Time
100 %	0 Seconds
90 %	58.1 Seconds
80 %	167.1 Seconds
70 %	250.2 Seconds
60 %	299.1 Seconds

Test # 5 Average	
Reflectance Set Point	Time
100 %	0 Seconds
90 %	54.6 Seconds
80 %	159.6 Seconds
70 %	240.5 Seconds
60 %	288.2 Seconds

Averages of 3 qualification times in the cooler months with lower dew point during 2013 at TAF office & lab, with ink temperature control and paper humidity control used.

Q0099 Through Q0102

LabHDP3

2013 T&H Reg Quals, & 2014 April

Times are longer than prior averages

Dew Point Above 45°F

- Lab High DP -

Test Lab Avg (Brown Line)

LabHDP3 - Lab High DP - Test Lab Avg (Brown Line)

All Tests Average	
Reflectance Set Point	Time
100 %	0 Seconds
90 %	55.0 Seconds
80 %	162.0 Seconds
70 %	248.0 Seconds
60 %	299.0 Seconds

Copy & Paste Special These Numbers:	
Reflectance Set Point	Time
100 %	0 Seconds
90 %	55 Seconds
80 %	162 Seconds
70 %	248 Seconds
60 %	299 Seconds

Tolerance (TAPPI T 530):

Repeatability (within a laboratory) = 26%

Reproducibility (between laboratories) = 36%

**Upper Tolerance: +26 %**

LabHDP3 Within Lab Limit +26%	
Upper Limit (Dotted Line)	
Reflectance Set Point	Time
100 %	0 Seconds
90 %	69 Seconds
80 %	204 Seconds
70 %	312 Seconds
60 %	377 Seconds

Tolerance (TAPPI T 530):

Repeatability (within a laboratory) = 26%

Reproducibility (between laboratories) = 36%

**Lower Tolerance: -26 %**

LabHDP3 Within Lab Limit -26%	
Lower Limit (Dotted Line)	
Reflectance Set Point	Time
100 %	0 Seconds
90 %	41 Seconds
80 %	120 Seconds
70 %	184 Seconds
60 %	221 Seconds

# HST Qualification Test Lab Averages And Limits

