

QUV Testing

QUV #11 Hours started: 80829

Samples checked for color Cycle 4h at 0.7nm

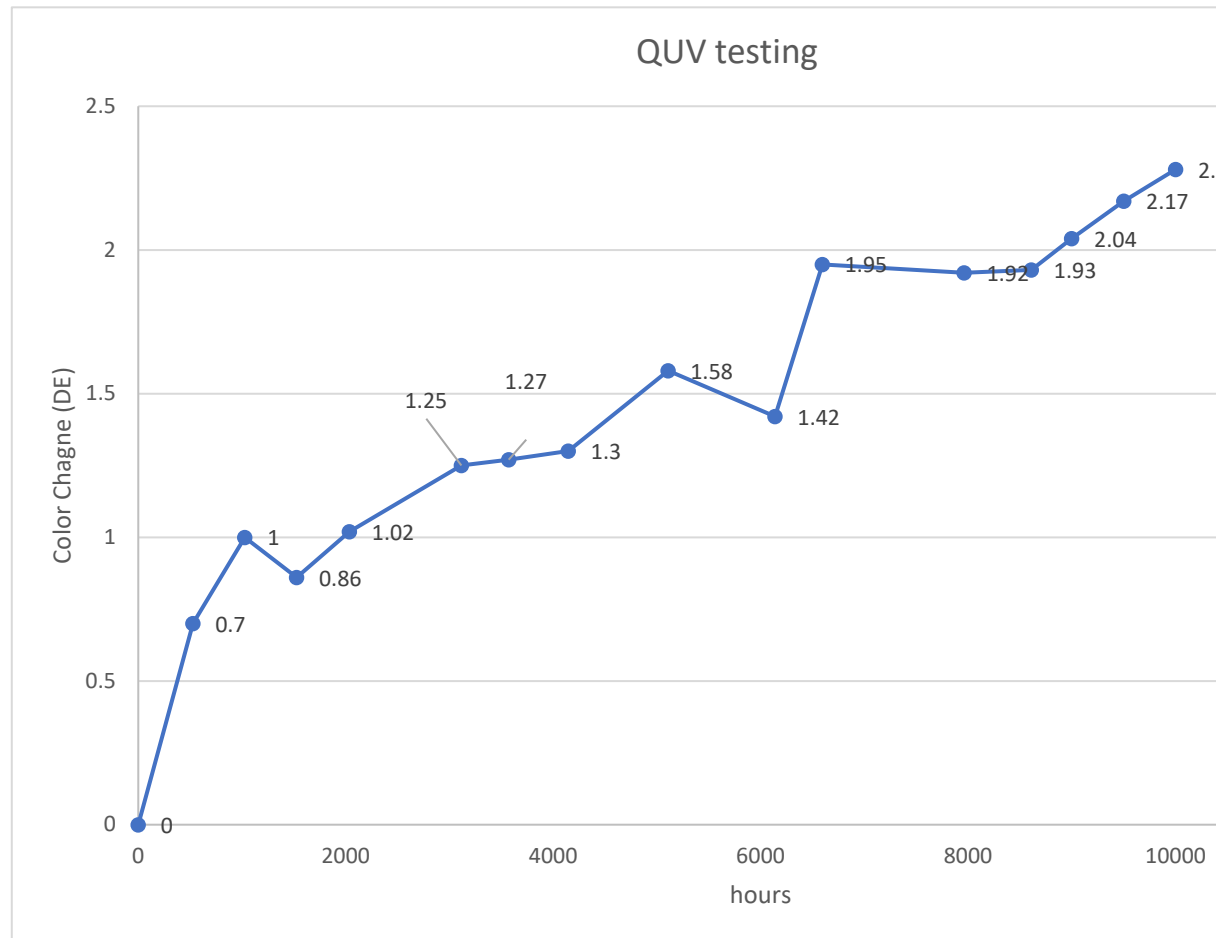
Measure after every 500 h first 3 months then after every 1000 h

3/16/2018		
Initial	E1A	E1B
L	80.41	80.4
a	-0.68	-0.71
b	-0.15	-0.36
C	0.7	0.8
h	192.58	206.85
20 gloss		
60 gloss	16.9	16.4
85 gloss		

4/9/2018		
527 hours	81356	
DL	0.37	0.59
Da	-0.1	-0.07
Db	0.44	0.56
DE	0.59	0.81
60 gloss	11.8	10.5
% retain	69.82%	64.02%
Avg % retain	66.92%	
Avg DE	0.70	

4/30/2018		
1027 hours	81856	
DL	0.94	0.76
Da	-0.06	-0.04
Db	0.42	0.59
DE	1.03	0.96
60 gloss	8.8	9.9
% retain	52.07%	60.37%
Avg % retain	56.22%	
Avg DE	1.00	

5/21/2018		
1527 hours	82356	
DL	-0.17	0.67
Da	-0.24	-0.17
Db	0.62	0.75
DE	0.69	1.02
60 gloss	8.7	8.7
% retain	51.48%	53.05%
Avg % retain	52.26%	



Avg DE	0.86	
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6/11/2018

2035 hours	82864	
DL	0.95	0.81
Da	-0.11	-0.08
Db	0.48	0.53
DE	1.07	0.97
60 gloss	6.9	7.8
% retain	40.83%	47.56%
Avg % retain	44.19%	
Avg DE	1.02	

7/26/2018

3115 hours	3115	
DL	1.25	0.98
Da	-0.18	-0.12
Db	0.49	0.59
DE	1.35	1.15
60 gloss	6.2	9.2
% retain	36.69%	56.10%
Avg % retain	46.39%	
Avg DE	1.25	

8/14/2018

3571 hours	3571	
DL	1.28	0.98
Da	-0.18	-0.13
Db	0.5	0.58
DE	1.39	1.14
60 gloss	4.6	7
% retain	27.22%	42.68%
Avg % retain	34.95%	
Avg DE	1.27	

9/7/2018

4147 hours	4147	
DL	1.3	0.98
Da	-0.18	-0.13
Db	0.5	0.67
DE	1.4	1.2
60 gloss	4.4	6
% retain	26.04%	36.59%
Avg % retain	31.31%	

Avg DE	1.30	
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10/17/2018

5107 hours

DL	1.32	1.13
Da	-0.17	-0.16
Db	1.07	0.9
DE	1.7	1.45
60 gloss	4.4	5.7
% retain	26.04%	34.76%
Avg % retain	30.40%	
Avg DE	1.58	

11/29/2018

6139 hours

DL	0.18	0.33
Da	-0.3	-0.27
Db	1.59	1.13
DE	1.63	1.21
60 gloss	3.6	4.7
% retain	21.30%	28.66%
Avg % retain	21.30%	
Avg DE	1.42	

12/18/2018

6595 hours

DL	1.93	1.52
Da	-0.21	-0.19
Db	0.91	0.87
DE	2.14	1.76
60 gloss	5.1	4.3
% retain	30.18%	26.22%
Avg % retain	30.18%	
Avg DE	1.95	

1/14/2019

7243 hours

DL	0.14	-0.29
Da	-1.88	-1.86
Db	9.12	9.12
DE	9.32	9.31
60 gloss	3.1	5.1
% retain	18.34%	31.10%
Avg % retain	24.72%	

Avg DE	9.32	
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2/13/2019

7963 hours		
DL	1.88	1.55
Da	-0.25	-0.2
Db	0.79	0.84
DE	2.05	1.78
60 gloss	2.9	4.8
% retain	17.16%	29.27%
Avg % retain	23.21%	
Avg DE	1.92	

3/12/2019

8611		
DL	1.99	1.6
Da	-0.18	-0.12
Db	0.68	0.71
DE	2.11	1.75
60 gloss	3	3.8
% retain	17.75%	23.17%
Avg % retain	20.46%	
Avg DE	1.93	

3/28/2019

9000		
DL	2.13	1.62
Da	-0.2	-0.15
Db	0.76	0.79
DE	2.27	1.81
60 gloss	2.9	3.5
% retain	17.16%	21.34%
Avg % retain	19.25%	
Avg DE	2.04	

9500		
DL	2.29	1.81
Da	-0.16	-0.12
Db	0.6	0.7
DE	2.38	1.95
60 gloss	3	3.6
% retain	17.75%	21.95%
Avg % retain	19.85%	

Avg DE	2.17	
10000		
DL	2.41	1.87
Da	-0.2	-0.17
Db	0.66	0.81
DE	2.51	2.04
60 gloss	3.2	2.3
% retain	18.93%	14.02%
Avg % retain	16.48%	
Avg DE	2.28	