



Test Monitoring Center

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MEMORANDUM: 18-024
DATE: July 24, 2018
TO: BRT Surveillance Panel
FROM: Michael T. Kasimirsky *Michael T. Kasimirsky*
SUBJECT: Reference Oil 86 Initial Test Targets

As approved by the BRT Surveillance Panel, Reference Oil 86 is introduced into the calibration system using test targets based upon the results of 12 donated test results, with one donated result being removed from the target data set based upon rare event screening defined in Standard Practice E 178.

The initial targets are shown in Table 1, below:

Table 1: Reference Oil 86 Initial Test Targets (N=12)			
Parameter	Mean	Standard Deviation	Acceptance Range
Average Gray Value	116.2	13.7	89 to 144

The individual test results used in generation of these test targets are shown in Table 2, with the screened result shown in red. The individual test results, initial test target acceptance range, and the test target acceptance range for Reference Oil 81 for *Average Gray Value* are plotted in Figure 1.

These test targets will be updated when 30 data points are available, and updated and frozen after six months of data are available on this reference oil.

These targets are effective on August 1, 2018.

c: <http://www.astmtmc.cmu.edu/ftp/docs/bench/htcbt/memos/mem18-024.mtk.pdf>

Distribution: electronic mail

Table 2: Individual Test Results					
TESTKEY	LAB	APP	DATE	TIME	AGV
130727-BRT	D	1	20171026	10:15	121
130728-BRT	D	1	20171102	10:00	122
130730-BRT	D	1	20171115	10:15	97
130762-BRT	A	1	20171122	08:30	116
130731-BRT	D	1	20171129	11:45	82
130763-BRT	A	1	20171201	08:30	129
130764-BRT	A	1	20171207	08:30	125
130823-BRT	G	2	20180105	11:03	129
130824-BRT	G	2	20180119	10:45	54
130822-BRT	G	2	20180125	18:15	122
130792-BRT	B	5	20180214	09:15	116
130793-BRT	B	5	20180216	08:40	122
130794-BRT	B	5	20180302	09:15	113

Figure 1: Average Gray Value
Test Target Data Set and Acceptance Bands

BRT Reference Oil 86

