



PROPERTY: Folding endurance (Kohler-Mölin)

METHOD: ISO 5626
CEPI-TEST: 2.13

ROUND: 2018-1

SAMPLE: Level - 1
UNIT: log10(n D.F.)

REPORT: <<< H >>>

ISSUED BY: IGT

INDICATIVE VALUE: 2.20±3.00

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 2

CEPI-A-MEAN 2,65

CEPI-SD-WITHIN 0,120

CEPI-SD-BETWEEN 0,031

CEPI-RANGE:

WARNING LIMITS

CEPI-A-MEAN - 2,0 SD 2,58

CEPI-A-MEAN + 2,0 SD 2,71

ACTION LIMITS

CEPI-A-MEAN - 2,6 SD 2,57

CEPI-A-MEAN + 2,6 SD 2,73

RESULTS OF CLIENTS

(INCLUDING A-RESULTS)

NUMBER OF LABS 9

OUTLIER FOR LIMITS 0

OUTLIER FOR SD 0

NUMBER OF VALID VALUES 9

OVERALL-MEAN 2,68

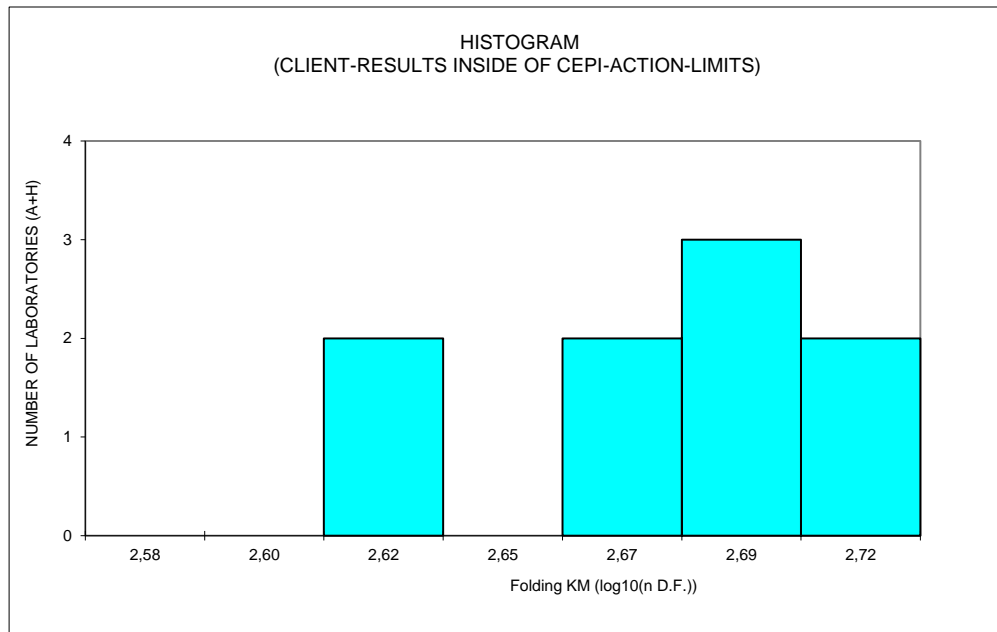
SD WITHIN 0,107

SD BETWEEN 0,034

DATA FOR HISTOGRAM

NUMBER OF BARS 7

WIDTH OF CLASS 0,02



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Folding endurance (Kohler-Mölin)

METHOD: ISO 5626
CEPI-TEST: 2.13

ROUND: 2018-1

SAMPLE: Level - 2
UNIT: log10(n D.F.)

REPORT: <<< H >>>

ISSUED BY: IGT

INDICATIVE VALUE: 3.00±3.30

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 2
CEPI-A-MEAN 3,02
CEPI-SD-WITHIN 0,074
CEPI-SD-BETWEEN 0,163

CEPI-RANGE:

WARNING LIMITS
CEPI-A-MEAN - 2,0 SD 2,69
CEPI-A-MEAN + 2,0 SD 3,34

ACTION LIMITS

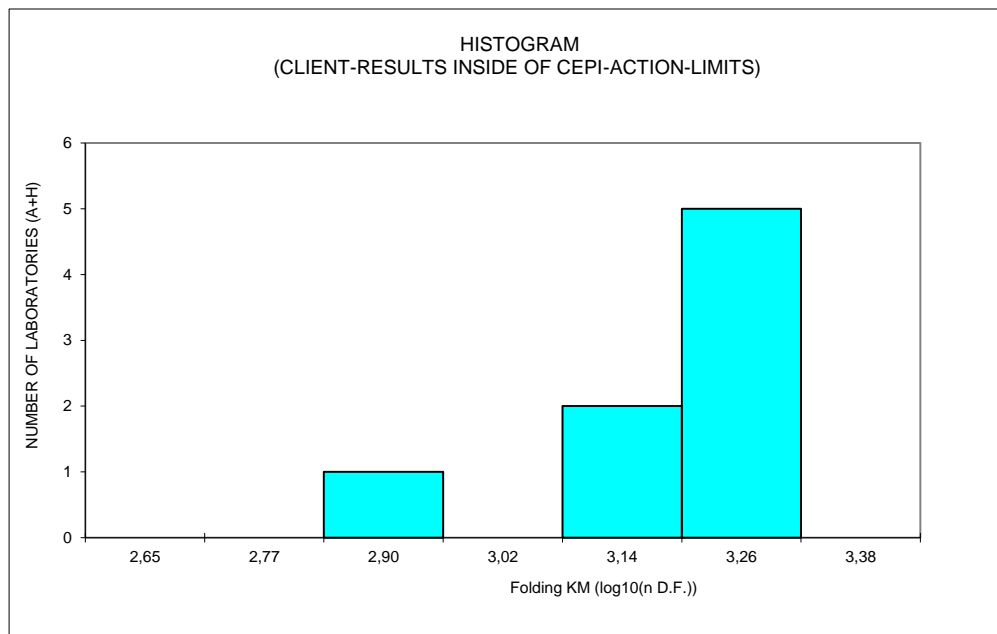
CEPI-A-MEAN - 2,6 SD 2,59
CEPI-A-MEAN + 2,6 SD 3,44

RESULTS OF CLIENTS

(INCLUDING A-RESULTS)
NUMBER OF LABS 8
OUTLIER FOR LIMITS 0
OUTLIER FOR SD 0
NUMBER OF VALID VALUES 8
OVERALL-MEAN 3,21
SD WITHIN 0,066
SD BETWEEN 0,139

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 0,12



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Coefficient of friction static

METHOD: ISO 15359
CEPI-TEST: 4.4(a)

ROUND: 2018-1

SAMPLE: Level - 1
UNIT: ---

REPORT: <<< H >>>

ISSUED BY: IGT **INDICATIVE VALUE:** 0.25±0.45

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 7

CEPI-A-MEAN 0,357
CEPI-SD-WITHIN 0,0413
CEPI-SD-BETWEEN 0,0428

CEPI-RANGE:
WARNING LIMITS
CEPI-A-MEAN - 2,0 SD 0,272
CEPI-A-MEAN + 2,0 SD 0,443

ACTION LIMITS
CEPI-A-MEAN - 2,6 SD 0,246
CEPI-A-MEAN + 2,6 SD 0,469

RESULTS OF CLIENTS

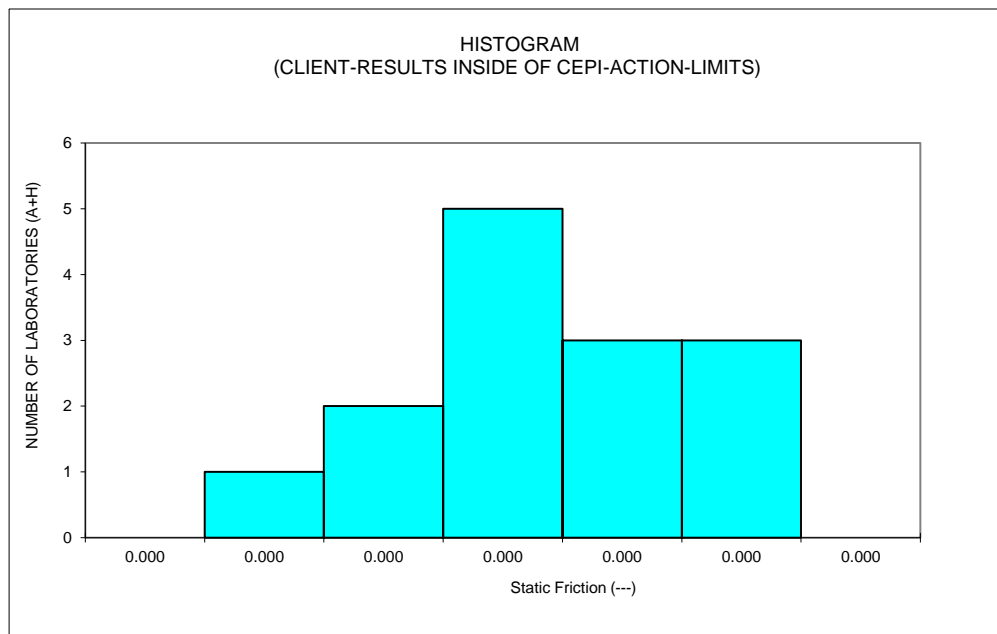
(INCLUDING A-RESULTS)

NUMBER OF LABS 17
OUTLIER FOR LIMITS 1
OUTLIER FOR SD 2

NUMBER OF VALID VALUES 14
OVERALL-MEAN 0,371
SD WITHIN 0,0448
SD BETWEEN 0,0383

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 0,032



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Coefficient of friction static

METHOD: ISO 15359
CEPI-TEST: 4.4(a)

ROUND: 2018-1

SAMPLE: Level - 2
UNIT: ---

REPORT: <<< H >>>

ISSUED BY: IGT INDICATIVE VALUE: 0.45±0.80

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 7

CEPI-A-MEAN 0,524
CEPI-SD-WITHIN 0,0304
CEPI-SD-BETWEEN 0,0731

CEPI-RANGE:

WARNING LIMITS
CEPI-A-MEAN - 2,0 SD 0,377
CEPI-A-MEAN + 2,0 SD 0,670

ACTION LIMITS

CEPI-A-MEAN - 2,6 SD 0,333
CEPI-A-MEAN + 2,6 SD 0,714

RESULTS OF CLIENTS

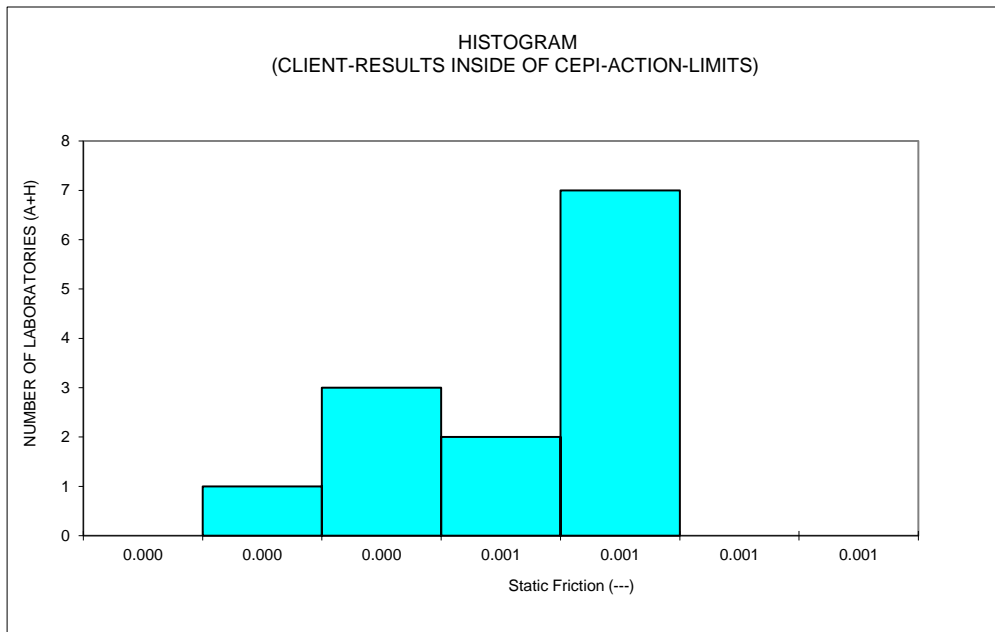
(INCLUDING A-RESULTS)

NUMBER OF LABS 14
OUTLIER FOR LIMITS 0
OUTLIER FOR SD 1

NUMBER OF VALID VALUES 13
OVERALL-MEAN 0,532
SD WITHIN 0,0407
SD BETWEEN 0,0626

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 0,054



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Coefficient of friction dynamic

METHOD: ISO 15359
CEPI-TEST: 4.4(b)

ROUND: 2018-1

SAMPLE: Level - 1
UNIT: ---

REPORT: <<< H >>>

ISSUED BY: IGT **INDICATIVE VALUE:** 0.20±0.30

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 7

CEPI-A-MEAN 0,256
CEPI-SD-WITHIN 0,0305
CEPI-SD-BETWEEN 0,0239

CEPI-RANGE:
WARNING LIMITS
CEPI-A-MEAN - 2,0 SD 0,208
CEPI-A-MEAN + 2,0 SD 0,303

ACTION LIMITS
CEPI-A-MEAN - 2,6 SD 0,194
CEPI-A-MEAN + 2,6 SD 0,318

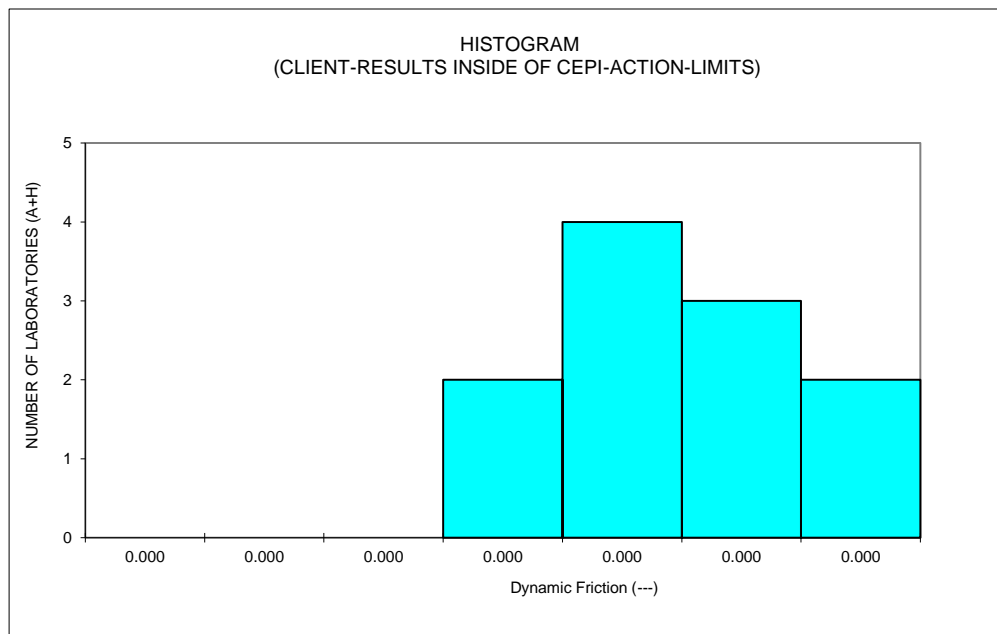
RESULTS OF CLIENTS

(INCLUDING A-RESULTS)
NUMBER OF LABS 15
OUTLIER FOR LIMITS 3
OUTLIER FOR SD 1

NUMBER OF VALID VALUES 11
OVERALL-MEAN 0,282
SD WITHIN 0,0230
SD BETWEEN 0,0202

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 0,018



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Coefficient of friction dynamic

METHOD: ISO 15359
CEPI-TEST: 4.4(b)

ROUND: 2018-1

SAMPLE: Level - 2
UNIT: ---

REPORT: <<< H >>>

ISSUED BY: IGT **INDICATIVE VALUE:** 0.30±0.70

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 7

CEPI-A-MEAN 0,484
CEPI-SD-WITHIN 0,0275
CEPI-SD-BETWEEN 0,0381

CEPI-RANGE:
WARNING LIMITS
CEPI-A-MEAN - 2,0 SD 0,408
CEPI-A-MEAN + 2,0 SD 0,560

ACTION LIMITS
CEPI-A-MEAN - 2,6 SD 0,385
CEPI-A-MEAN + 2,6 SD 0,583

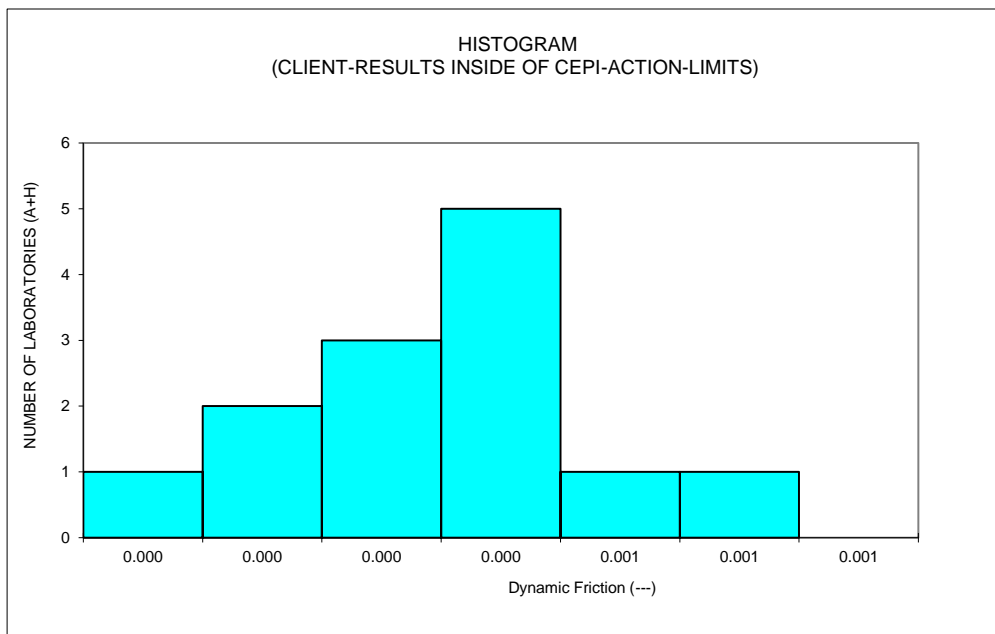
RESULTS OF CLIENTS

(INCLUDING A-RESULTS)
NUMBER OF LABS 15
OUTLIER FOR LIMITS 2
OUTLIER FOR SD 0

NUMBER OF VALID VALUES 13
OVERALL-MEAN 0,469
SD WITHIN 0,0253
SD BETWEEN 0,0359

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 0,028



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Coefficient of friction, inclined plane
METHOD: UNI 9802, DIN 53119-2. NF Q 03-083
CEPI-TEST: 4.5

ROUND: 2018-1
REPORT: <<< H >>>
ISSUED BY: IGT
SAMPLE: Level - 1
UNIT: ---
INDICATIVE VALUE: 0.25±0.45

STATISTICS

RESULTS OF A-ROUND

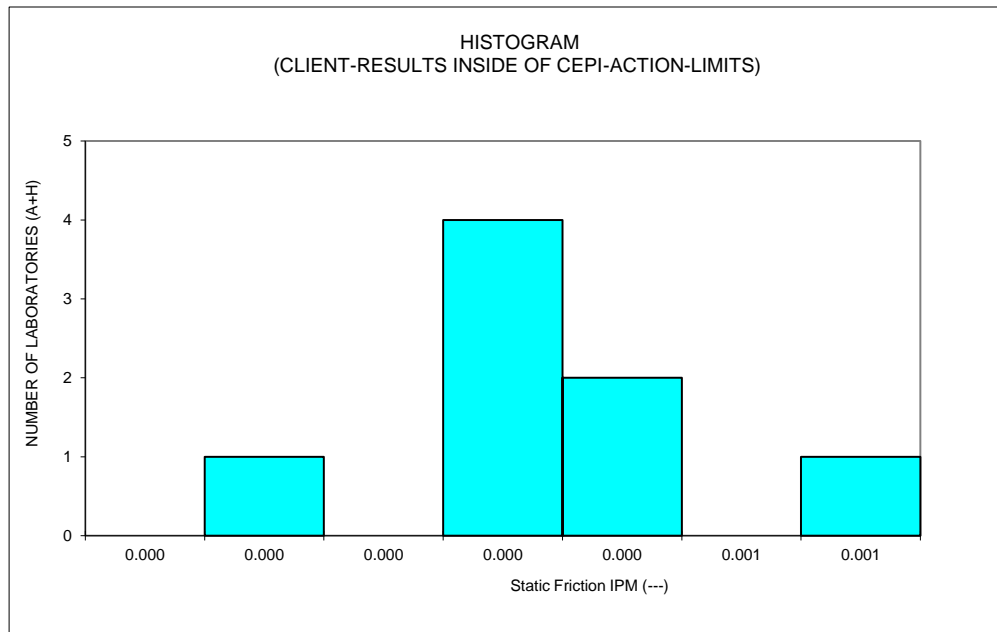
NUMBER OF LABS 3
CEPI-A-MEAN 0,356
CEPI-SD-WITHIN 0,0217
CEPI-SD-BETWEEN 0,1085
CEPI-RANGE:
WARNING LIMITS
CEPI-A-MEAN - 2,0 SD 0,139
CEPI-A-MEAN + 2,0 SD 0,573
ACTION LIMITS
CEPI-A-MEAN - 2,6 SD 0,074
CEPI-A-MEAN + 2,6 SD 0,638

RESULTS OF CLIENTS

(INCLUDING A-RESULTS)
NUMBER OF LABS 9
OUTLIER FOR LIMITS 0
OUTLIER FOR SD 1
NUMBER OF VALID VALUES 8
OVERALL-MEAN 0,389
SD WITHIN 0,0268
SD BETWEEN 0,0977

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 0,081



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Coefficient of friction, inclined plane
METHOD: UNI 9802, DIN 53119-2. NF Q 03-083
CEPI-TEST: 4.5

ROUND: 2018-1
REPORT: <<< H >>>
ISSUED BY: IGT
SAMPLE: Level - 2
UNIT: ---
INDICATIVE VALUE: 0.45±0.80

STATISTICS

RESULTS OF A-ROUND

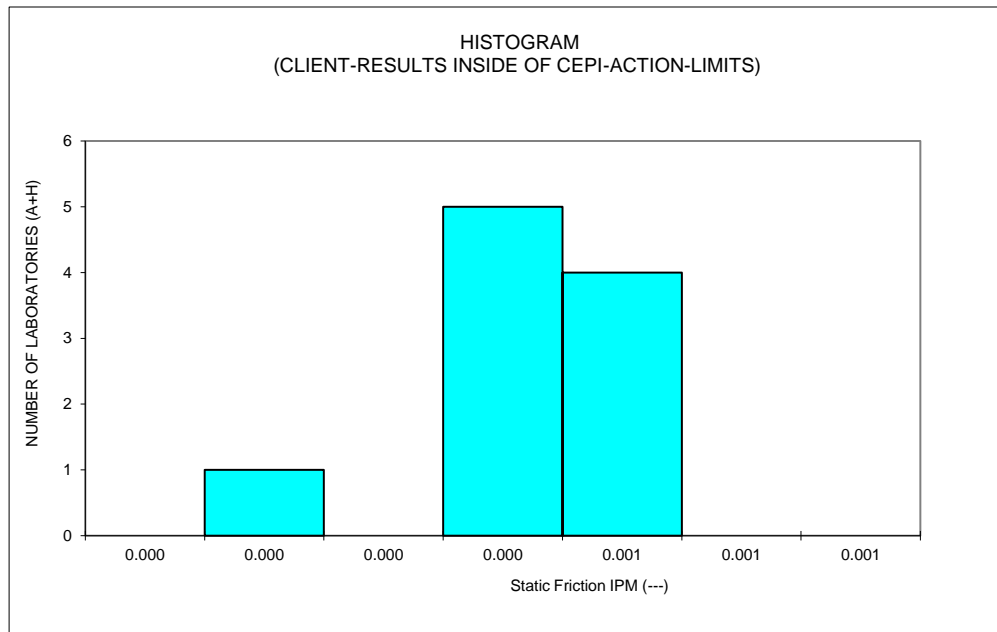
NUMBER OF LABS 3
CEPI-A-MEAN 0,492
CEPI-SD-WITHIN 0,0402
CEPI-SD-BETWEEN 0,1398
CEPI-RANGE:
WARNING LIMITS
CEPI-A-MEAN - 2,0 SD 0,213
CEPI-A-MEAN + 2,0 SD 0,772
ACTION LIMITS
CEPI-A-MEAN - 2,6 SD 0,129
CEPI-A-MEAN + 2,6 SD 0,856

RESULTS OF CLIENTS

(INCLUDING A-RESULTS)
NUMBER OF LABS 10
OUTLIER FOR LIMITS 0
OUTLIER FOR SD 0
NUMBER OF VALID VALUES 10
OVERALL-MEAN 0,511
SD WITHIN 0,0392
SD BETWEEN 0,0788

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 0,104



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Contact Angle 5s
METHOD: ISO
CEPI-TEST: 4.6(a)(exp)
ROUND: 2018-1
SAMPLE: Level - 1
UNIT: °
REPORT: <<< H >>>
ISSUED BY: IGT
INDICATIVE VALUE: 55±75

STATISTICS

RESULTS OF A-ROUND

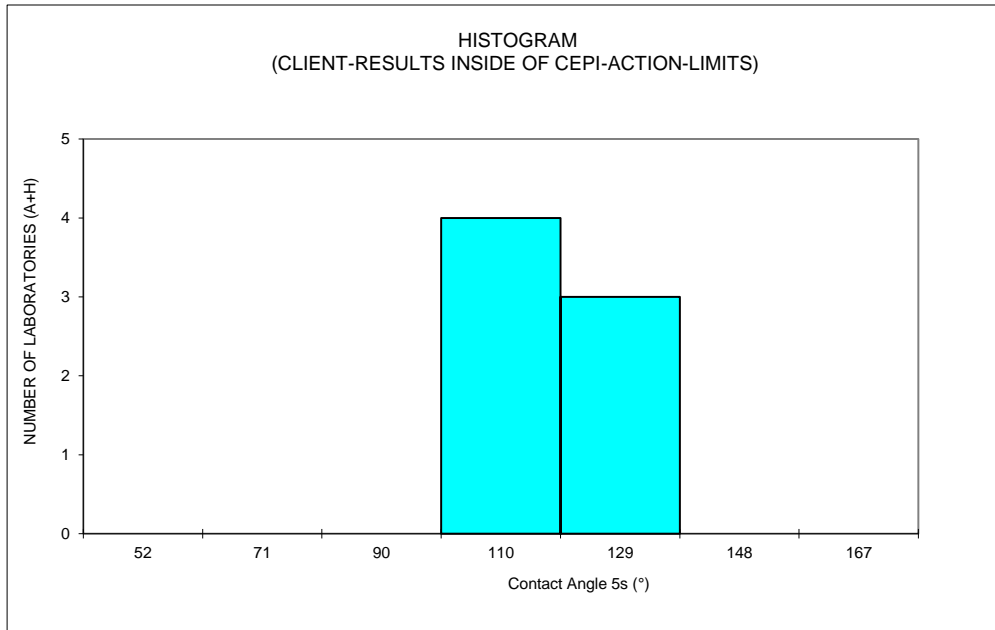
NUMBER OF LABS 8
CEPI-A-MEAN 110
 CEPI-SD-WITHIN 2,5
 CEPI-SD-BETWEEN 25,7
CEPI-RANGE:
 WARNING LIMITS
 CEPI-A-MEAN - 2,0 SD 58
 CEPI-A-MEAN + 2,0 SD 161
 ACTION LIMITS
 CEPI-A-MEAN - 2,6 SD 43
 CEPI-A-MEAN + 2,6 SD 176

RESULTS OF CLIENTS

(INCLUDING A-RESULTS)
NUMBER OF LABS 7
OUTLIER FOR LIMITS 0
OUTLIER FOR SD 0
NUMBER OF VALID VALUES 7
OVERALL-MEAN 118
SD WITHIN 2,6
SD BETWEEN 10,8

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 19



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Contact Angle 5s

METHOD: ISO
CEPI-TEST: 4.6(a)(exp)

ROUND: 2018-1 **SAMPLE:** Level - 2

REPORT: <<< H >>> **UNIT:** °
ISSUED BY: IGT **INDICATIVE VALUE:** 80±100

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 8
CEPI-A-MEAN 69,2
CEPI-SD-WITHIN 1,90
CEPI-SD-BETWEEN 3,90

CEPI-RANGE:
WARNING LIMITS
CEPI-A-MEAN - 2,0 SD 61,4
CEPI-A-MEAN + 2,0 SD 77,0

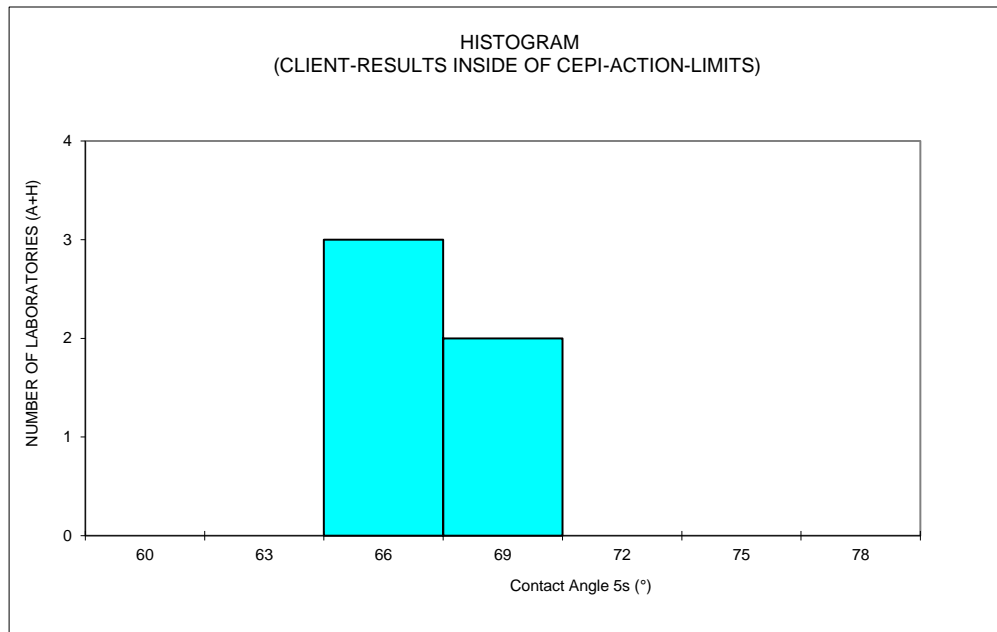
ACTION LIMITS
CEPI-A-MEAN - 2,6 SD 59,0
CEPI-A-MEAN + 2,6 SD 79,3

RESULTS OF CLIENTS

(INCLUDING A-RESULTS)
NUMBER OF LABS 6
OUTLIER FOR LIMITS 0
OUTLIER FOR SD 1
NUMBER OF VALID VALUES 5
OVERALL-MEAN 67,4
SD WITHIN 1,36
SD BETWEEN 2,01

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 2,9



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Contact Angle 5s

METHOD: ISO
CEPI-TEST: 4.6(a)(exp)

ROUND: 2018-1 **SAMPLE:** Level - 3

REPORT: <<< H >>> **UNIT:** °

ISSUED BY: IGT **INDICATIVE VALUE:** 100÷110

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 8
CEPI-A-MEAN 108
CEPI-SD-WITHIN 3,2
CEPI-SD-BETWEEN 8,5

CEPI-RANGE:

WARNING LIMITS
CEPI-A-MEAN - 2,0 SD 91
CEPI-A-MEAN + 2,0 SD 125

ACTION LIMITS

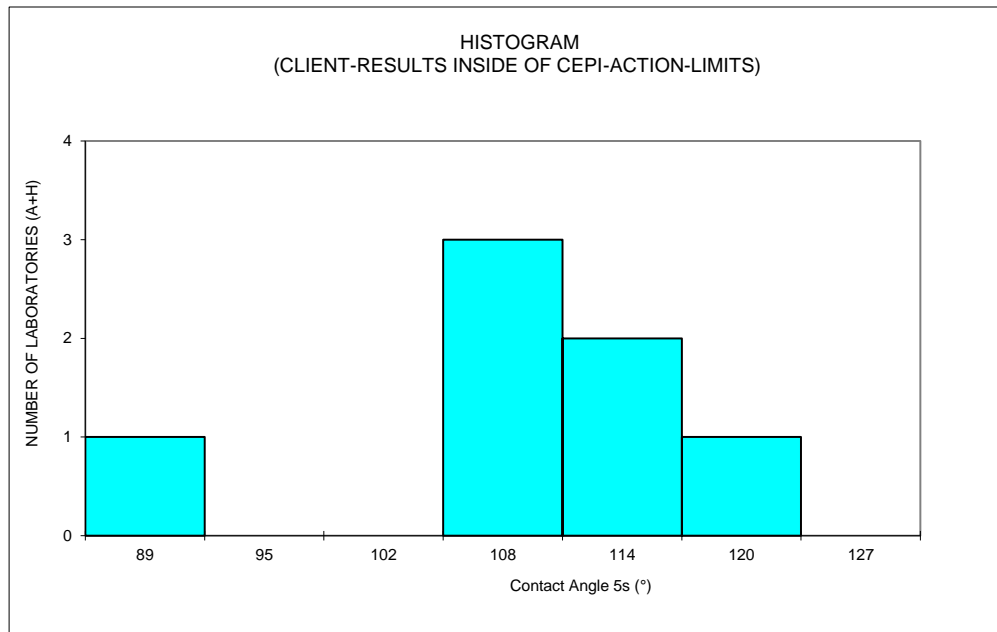
CEPI-A-MEAN - 2,6 SD 86
CEPI-A-MEAN + 2,6 SD 130

RESULTS OF CLIENTS

(INCLUDING A-RESULTS)
NUMBER OF LABS 7
OUTLIER FOR LIMITS 0
OUTLIER FOR SD 0
NUMBER OF VALID VALUES 7
OVERALL-MEAN 109
SD WITHIN 2,7
SD BETWEEN 8,7

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 6



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Contact Angle 5s

METHOD: ISO
CEPI-TEST: 4.6(a)(exp)

ROUND: 2018-1 **SAMPLE:** Level - 4

REPORT: <<< H >>> **UNIT:** °

ISSUED BY: IGT **INDICATIVE VALUE:** 125÷135

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 8
CEPI-A-MEAN 89,0
CEPI-SD-WITHIN 1,97
CEPI-SD-BETWEEN 15,39

CEPI-RANGE:

WARNING LIMITS
CEPI-A-MEAN - 2,0 SD 58,2
CEPI-A-MEAN + 2,0 SD 119,7

ACTION LIMITS

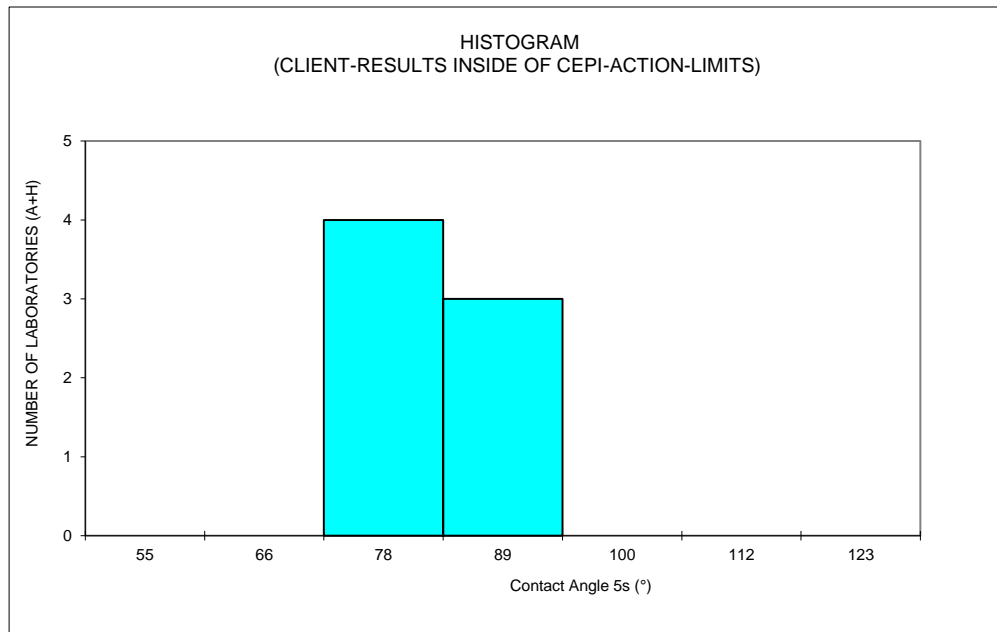
CEPI-A-MEAN - 2,6 SD 49,0
CEPI-A-MEAN + 2,6 SD 129,0

RESULTS OF CLIENTS

(INCLUDING A-RESULTS)
NUMBER OF LABS 7
OUTLIER FOR LIMITS 0
OUTLIER FOR SD 0
NUMBER OF VALID VALUES 7
OVERALL-MEAN 83,7
SD WITHIN 1,71
SD BETWEEN 3,43

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 11,4



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Contact Angle 5s

METHOD: ISO
CEPI-TEST: 4.6(a)(exp)

ROUND: 2018-1

SAMPLE: Level - 5
UNIT: °

REPORT: <<< H >>>

ISSUED BY: IGT **INDICATIVE VALUE:** 125÷135

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 8
CEPI-A-MEAN 110
CEPI-SD-WITHIN 3,3
CEPI-SD-BETWEEN 11,6

CEPI-RANGE:

WARNING LIMITS
CEPI-A-MEAN - 2,0 SD 87
CEPI-A-MEAN + 2,0 SD 134

ACTION LIMITS

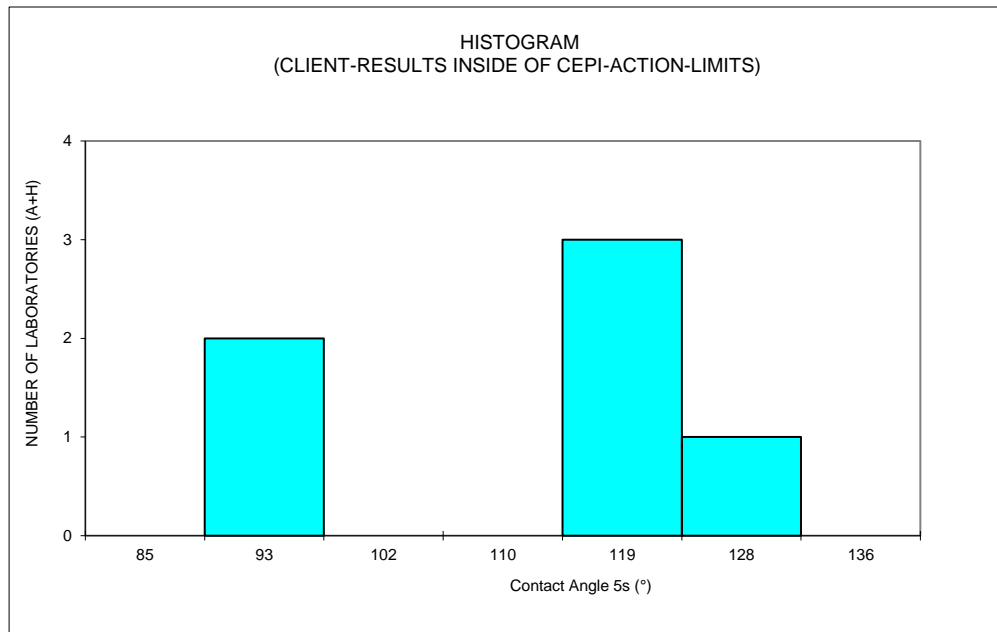
CEPI-A-MEAN - 2,6 SD 80
CEPI-A-MEAN + 2,6 SD 140

RESULTS OF CLIENTS

(INCLUDING A-RESULTS)
NUMBER OF LABS 6
OUTLIER FOR LIMITS 0
OUTLIER FOR SD 0
NUMBER OF VALID VALUES 6
OVERALL-MEAN 112
SD WITHIN 2,3
SD BETWEEN 12,4

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 9



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Contact Angle 10s

METHOD: ISO
CEPI-TEST: 4.6(b)(exp)

ROUND: 2018-1

SAMPLE: Level - 1
UNIT: °

REPORT: <<< H >>>

ISSUED BY: IGT **INDICATIVE VALUE:** 60÷80

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 8
CEPI-A-MEAN 110
CEPI-SD-WITHIN 2,5
CEPI-SD-BETWEEN 25,8

CEPI-RANGE:

WARNING LIMITS
CEPI-A-MEAN - 2,0 SD 58
CEPI-A-MEAN + 2,0 SD 161

ACTION LIMITS

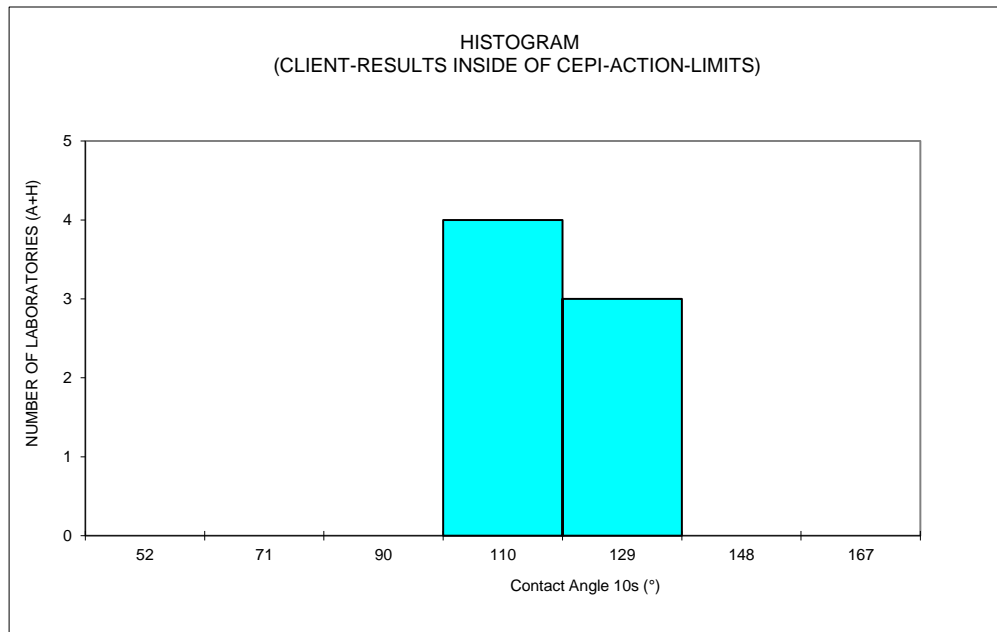
CEPI-A-MEAN - 2,6 SD 42
CEPI-A-MEAN + 2,6 SD 177

RESULTS OF CLIENTS

(INCLUDING A-RESULTS)
NUMBER OF LABS 7
OUTLIER FOR LIMITS 0
OUTLIER FOR SD 0
NUMBER OF VALID VALUES 7
OVERALL-MEAN 118
SD WITHIN 2,6
SD BETWEEN 10,9

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 19



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Contact Angle 10s

METHOD: ISO
CEPI-TEST: 4.6(b)(exp)

ROUND: 2018-1

SAMPLE: Level - 2
UNIT: °

REPORT: <<< H >>>

ISSUED BY: IGT INDICATIVE VALUE: 85±105

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 8

CEPI-A-MEAN 67,6
CEPI-SD-WITHIN 1,98
CEPI-SD-BETWEEN 4,39

CEPI-RANGE:
WARNING LIMITS
CEPI-A-MEAN - 2,0 SD 58,9
CEPI-A-MEAN + 2,0 SD 76,4

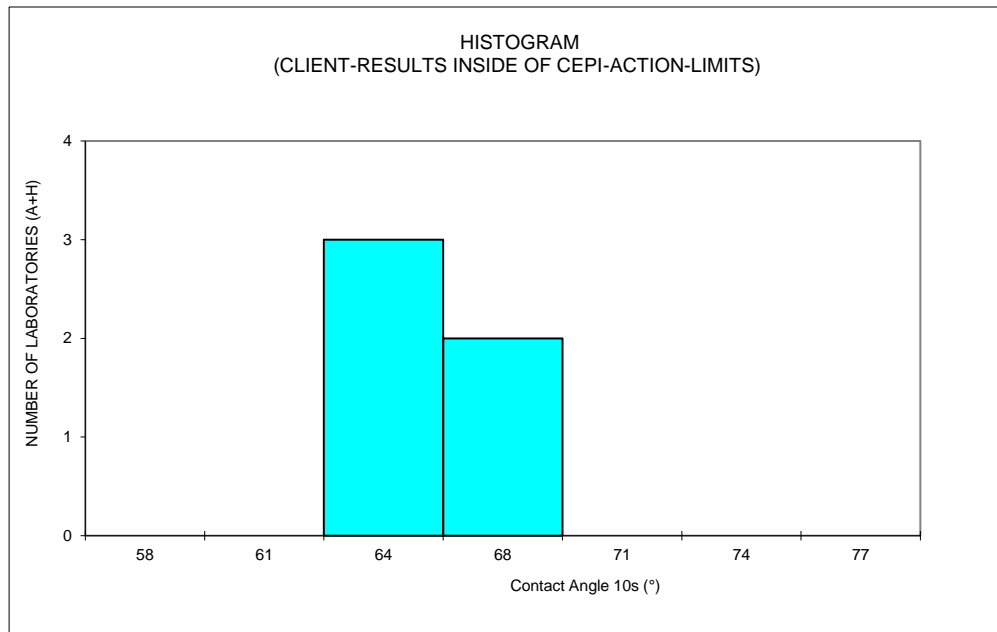
ACTION LIMITS
CEPI-A-MEAN - 2,6 SD 56,2
CEPI-A-MEAN + 2,6 SD 79,1

RESULTS OF CLIENTS

(INCLUDING A-RESULTS)
NUMBER OF LABS 6
OUTLIER FOR LIMITS 0
OUTLIER FOR SD 1
NUMBER OF VALID VALUES 5
OVERALL-MEAN 65,7
SD WITHIN 1,39
SD BETWEEN 2,15

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 3,3



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Contact Angle 10s

METHOD: ISO
CEPI-TEST: 4.6(b)(exp)

ROUND: 2018-1

SAMPLE: Level - 3
UNIT: °

REPORT: <<< H >>>

ISSUED BY: IGT **INDICATIVE VALUE:** 105÷120

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 8
CEPI-A-MEAN 108
CEPI-SD-WITHIN 3,5
CEPI-SD-BETWEEN 8,4

CEPI-RANGE:

WARNING LIMITS
CEPI-A-MEAN - 2,0 SD 91
CEPI-A-MEAN + 2,0 SD 125

ACTION LIMITS

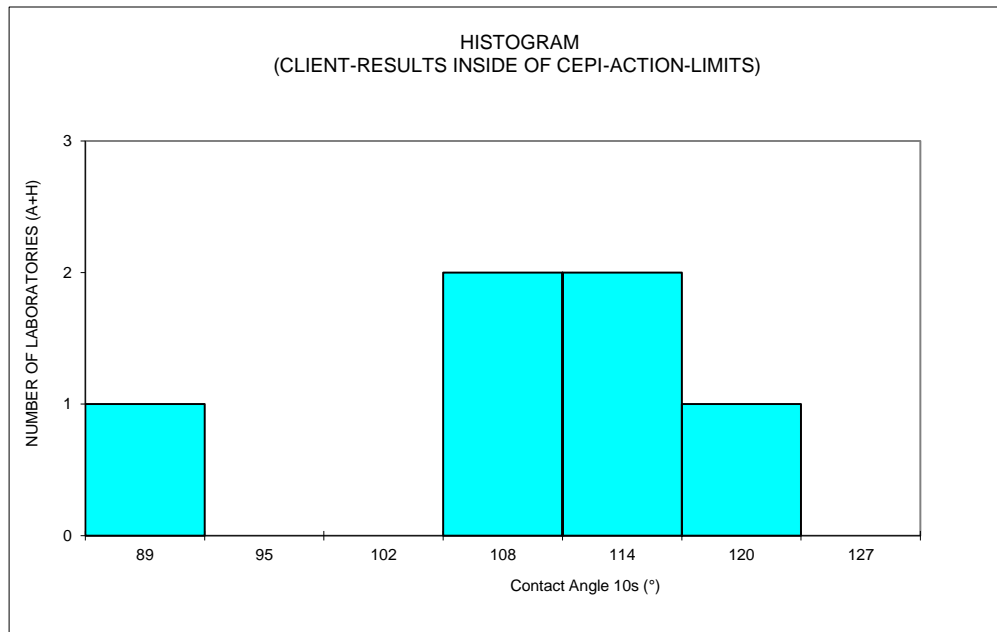
CEPI-A-MEAN - 2,6 SD 86
CEPI-A-MEAN + 2,6 SD 130

RESULTS OF CLIENTS

(INCLUDING A-RESULTS)
NUMBER OF LABS 6
OUTLIER FOR LIMITS 0
OUTLIER FOR SD 0
NUMBER OF VALID VALUES 6
OVERALL-MEAN 109
SD WITHIN 2,3
SD BETWEEN 9,6

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 6



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Contact Angle 10s

METHOD: ISO
CEPI-TEST: 4.6(b)(exp)

ROUND: 2018-1 SAMPLE: Level - 4

REPORT: <<< H >>> UNIT: °

ISSUED BY: IGT INDICATIVE VALUE: 125÷140

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 8
CEPI-A-MEAN 87,4
CEPI-SD-WITHIN 2,02
CEPI-SD-BETWEEN 16,07

CEPI-RANGE:

WARNING LIMITS
CEPI-A-MEAN - 2,0 SD 55,3
CEPI-A-MEAN + 2,0 SD 119,5

ACTION LIMITS

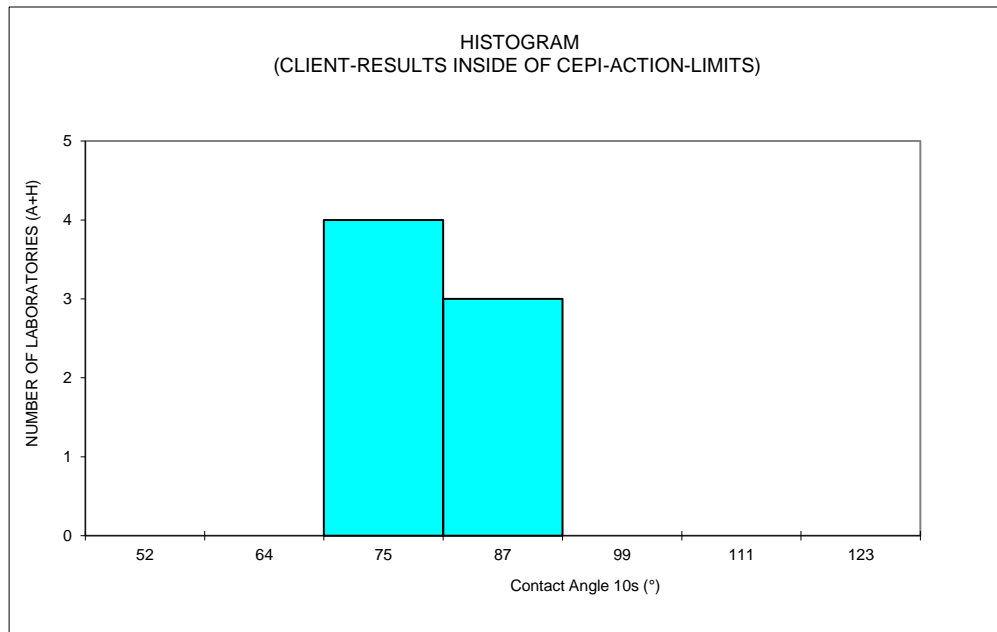
CEPI-A-MEAN - 2,6 SD 45,6
CEPI-A-MEAN + 2,6 SD 129,2

RESULTS OF CLIENTS

(INCLUDING A-RESULTS)
NUMBER OF LABS 7
OUTLIER FOR LIMITS 0
OUTLIER FOR SD 0
NUMBER OF VALID VALUES 7
OVERALL-MEAN 81,8
SD WITHIN 1,76
SD BETWEEN 3,73

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 11,9



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Contact Angle 10s

METHOD: ISO
CEPI-TEST: 4.6(b)(exp)

ROUND: 2018-1

SAMPLE: Level - 5
UNIT: °

REPORT: <<< H >>>

ISSUED BY: IGT **INDICATIVE VALUE:** 125÷140

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 8
CEPI-A-MEAN 110
CEPI-SD-WITHIN 3,4
CEPI-SD-BETWEEN 11,7

CEPI-RANGE:

WARNING LIMITS
CEPI-A-MEAN - 2,0 SD 87
CEPI-A-MEAN + 2,0 SD 133

ACTION LIMITS

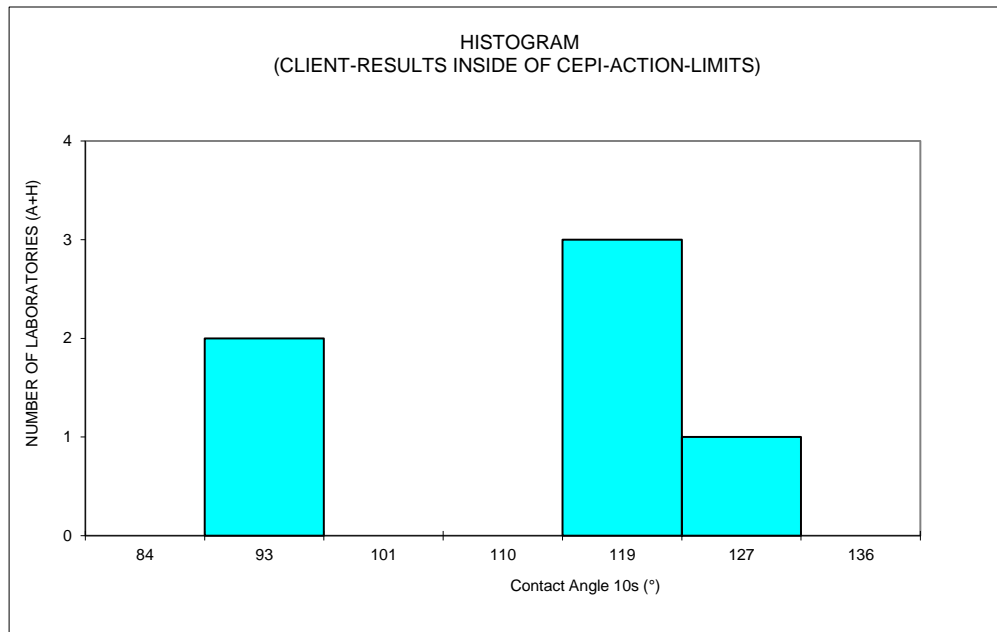
CEPI-A-MEAN - 2,6 SD 80
CEPI-A-MEAN + 2,6 SD 141

RESULTS OF CLIENTS

(INCLUDING A-RESULTS)
NUMBER OF LABS 6
OUTLIER FOR LIMITS 0
OUTLIER FOR SD 0
NUMBER OF VALID VALUES 6
OVERALL-MEAN 112
SD WITHIN 2,2
SD BETWEEN 12,6

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 9



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Resistance to picking IGT

METHOD: ISO 3783
CEPI-TEST: 9.1

ROUND: 2018-1

SAMPLE: Level - 1
UNIT: m/s

REPORT: <<< H >>>

ISSUED BY: IGT INDICATIVE VALUE: 0.40±0.90

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 5
CEPI-A-MEAN 0,699
CEPI-SD-WITHIN 0,0454
CEPI-SD-BETWEEN 0,2043

CEPI-RANGE:

WARNING LIMITS
CEPI-A-MEAN - 2,0 SD 0,291
CEPI-A-MEAN + 2,0 SD 1,108

ACTION LIMITS

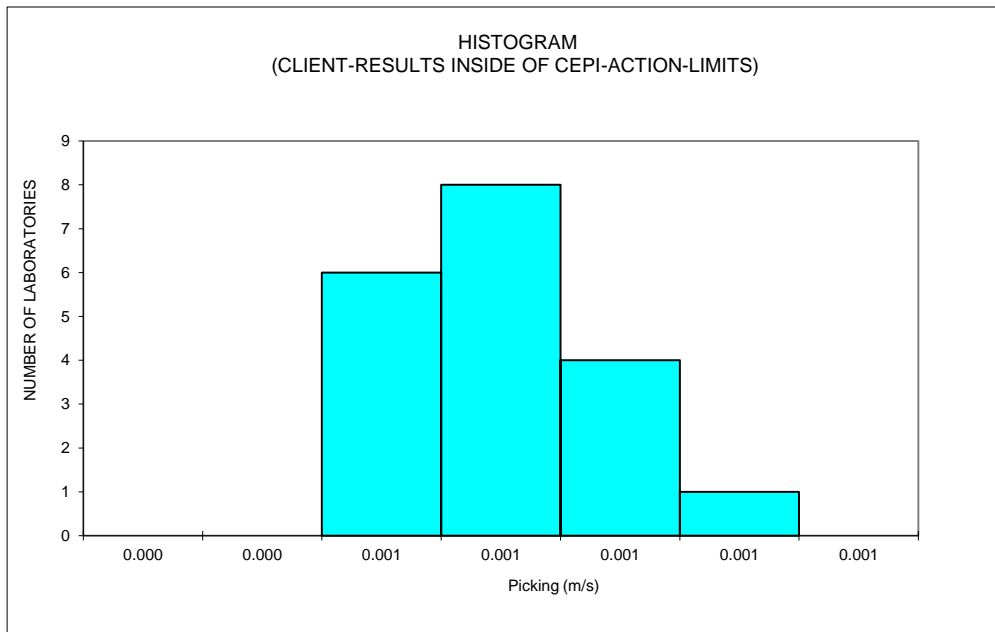
CEPI-A-MEAN - 2,6 SD 0,168
CEPI-A-MEAN + 2,6 SD 1,231

RESULTS OF CLIENTS

NUMBER OF LABS 20
OUTLIER FOR LIMITS 0
OUTLIER FOR SD 1
NUMBER OF VALID VALUES 19
OVERALL-MEAN 0,705
SD WITHIN 0,0529
SD BETWEEN 0,1131

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 0,152



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Resistance to picking IGT

METHOD: ISO 3783
CEPI-TEST: 9.1

ROUND: 2018-1

SAMPLE: Level - 2
UNIT: m/s

REPORT: <<< H >>>

ISSUED BY: IGT **INDICATIVE VALUE:** 1.70±2.20

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 5
CEPI-A-MEAN 1,68
CEPI-SD-WITHIN 0,129
CEPI-SD-BETWEEN 0,539

CEPI-RANGE:

WARNING LIMITS
CEPI-A-MEAN - 2,0 SD 0,60
CEPI-A-MEAN + 2,0 SD 2,76

ACTION LIMITS

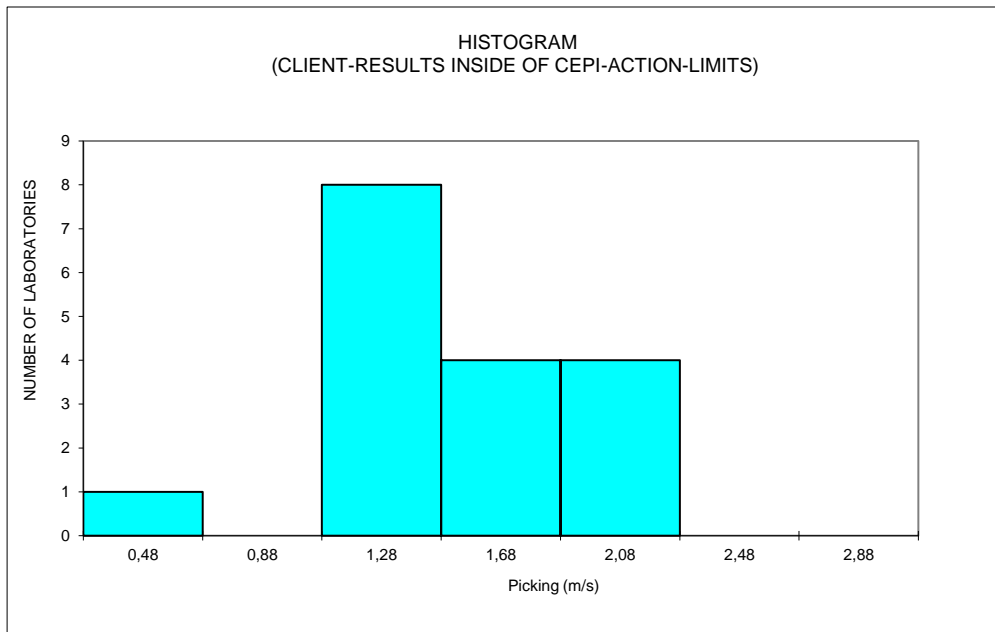
CEPI-A-MEAN - 2,6 SD 0,28
CEPI-A-MEAN + 2,6 SD 3,08

RESULTS OF CLIENTS

NUMBER OF LABS 17
OUTLIER FOR LIMITS 0
OUTLIER FOR SD 0
NUMBER OF VALID VALUES 17
OVERALL-MEAN 1,51
SD WITHIN 0,106
SD BETWEEN 0,418

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 0,40



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Ink transfer
METHOD: ISO 2834
CEPI-TEST: 9.11

ROUND: 2018-1
REPORT: <<< H >>>
ISSUED BY: IGT
SAMPLE: Level - 1
UNIT: g/m²
INDICATIVE VALUE: 0.9±1.1

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 1
CEPI-A-MEAN 1,31
CEPI-SD-WITHIN 0,048
CEPI-SD-BETWEEN 0

CEPI-RANGE:

WARNING LIMITS
CEPI-A-MEAN - 2,0 SD 1,31
CEPI-A-MEAN + 2,0 SD 1,31

ACTION LIMITS

CEPI-A-MEAN - 2,6 SD 1,31
CEPI-A-MEAN + 2,6 SD 1,31

RESULTS OF CLIENTS

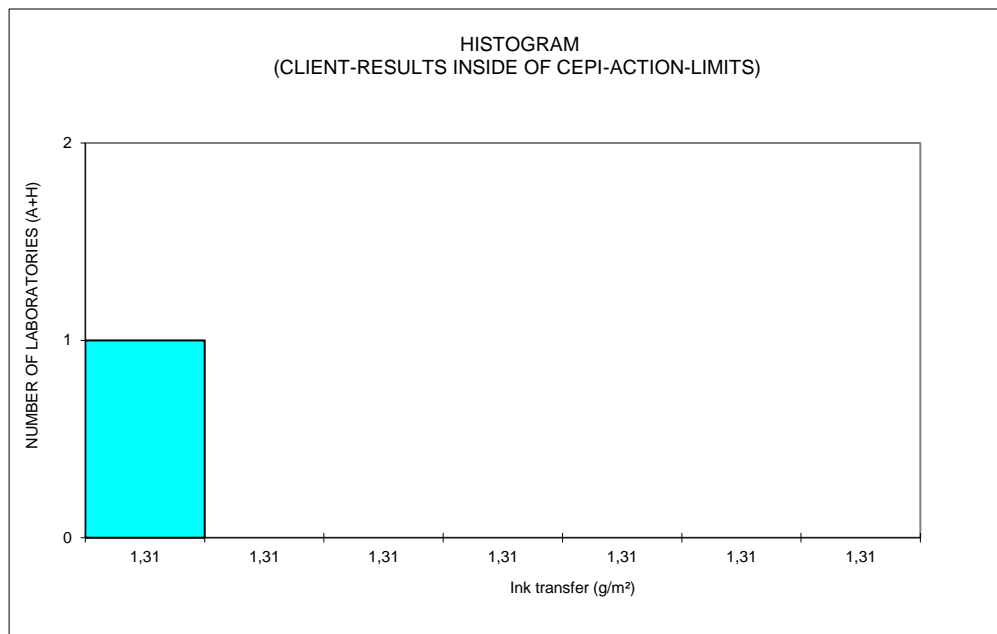
(INCLUDING A-RESULTS)

NUMBER OF LABS 1
OUTLIER FOR LIMITS 0
OUTLIER FOR SD 0

NUMBER OF VALID VALUES 1
OVERALL-MEAN 1,31
SD WITHIN 0,048
SD BETWEEN #DIV/0!

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 0,00



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Ink transfer

METHOD: ISO 2834
CEPI-TEST: 9.11

ROUND: 2018-1

SAMPLE: Level - 2
UNIT: g/m²

REPORT: <<< H >>>

ISSUED BY: IGT **INDICATIVE VALUE:** 1.4±1.6

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 1
CEPI-A-MEAN 1,18
CEPI-SD-WITHIN 0,030
CEPI-SD-BETWEEN 0

CEPI-RANGE:

WARNING LIMITS
CEPI-A-MEAN - 2,0 SD 1,18
CEPI-A-MEAN + 2,0 SD 1,18

ACTION LIMITS

CEPI-A-MEAN - 2,6 SD 1,18
CEPI-A-MEAN + 2,6 SD 1,18

RESULTS OF CLIENTS

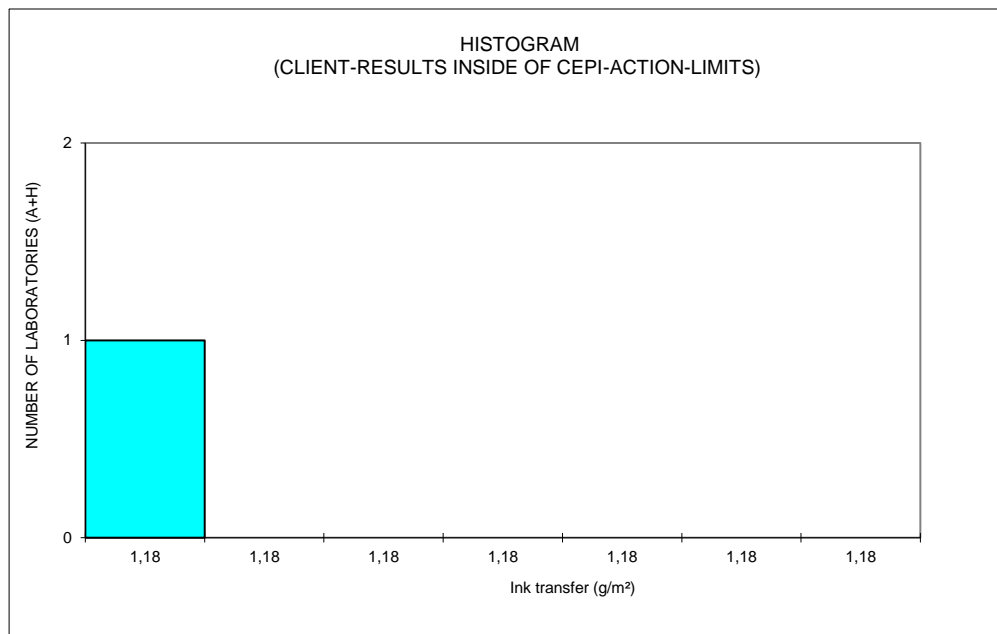
(INCLUDING A-RESULTS)

NUMBER OF LABS 1
OUTLIER FOR LIMITS 0
OUTLIER FOR SD 0

NUMBER OF VALID VALUES 1
OVERALL-MEAN 1,18
SD WITHIN 0,030
SD BETWEEN #DIV/0!

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 0,00



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Dennison Wax

METHOD: Tappi T459
CEPI-TEST: 9.12

ROUND: 2018-1

SAMPLE: Level - 1
UNIT: number

REPORT: <<< H >>>
ISSUED BY: IGT

INDICATIVE VALUE: 2-5

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 6
CEPI-A-MEAN 4,93
CEPI-SD-WITHIN 0,577
CEPI-SD-BETWEEN 0,845

CEPI-RANGE:

WARNING LIMITS
CEPI-A-MEAN - 2,0 SD 3,24
CEPI-A-MEAN + 2,0 SD 6,62

ACTION LIMITS

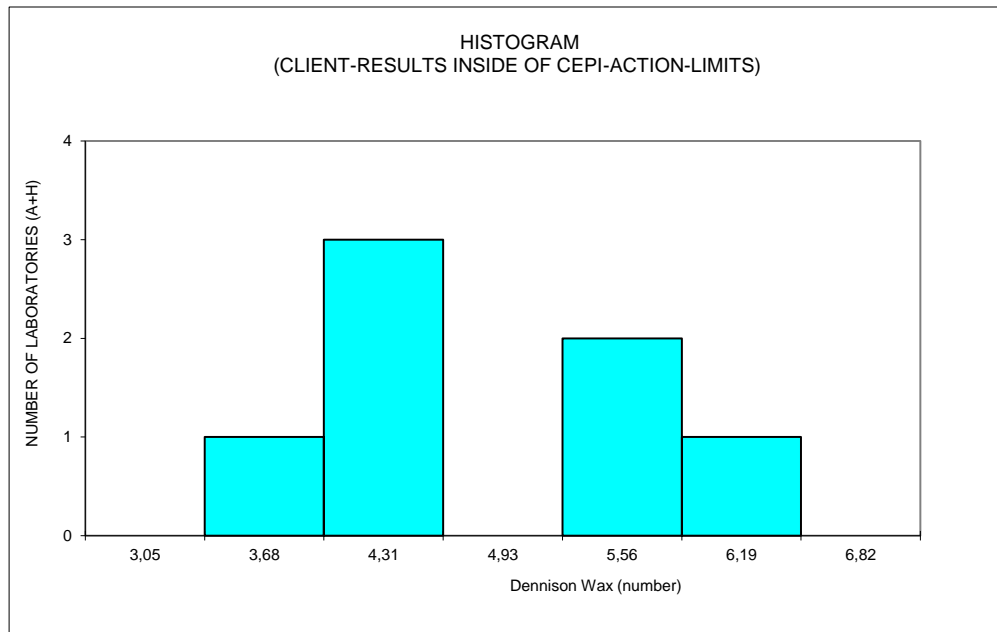
CEPI-A-MEAN - 2,6 SD 2,74
CEPI-A-MEAN + 2,6 SD 7,13

RESULTS OF CLIENTS

(INCLUDING A-RESULTS)
NUMBER OF LABS 7
OUTLIER FOR LIMITS 0
OUTLIER FOR SD 0
NUMBER OF VALID VALUES 7
OVERALL-MEAN 4,86
SD WITHIN 0,574
SD BETWEEN 0,798

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 0,63



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Dennison Wax

METHOD: Tappi T459
CEPI-TEST: 9.12

ROUND: 2018-1

SAMPLE: Level - 2
UNIT: number

REPORT: <<< H >>>

ISSUED BY: IGT **INDICATIVE VALUE:** 6-9

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 6

CEPI-A-MEAN 8,63

CEPI-SD-WITHIN 0,645

CEPI-SD-BETWEEN 1,039

CEPI-RANGE:

WARNING LIMITS

CEPI-A-MEAN - 2,0 SD 6,56

CEPI-A-MEAN + 2,0 SD 10,71

ACTION LIMITS

CEPI-A-MEAN - 2,6 SD 5,93

CEPI-A-MEAN + 2,6 SD 11,33

RESULTS OF CLIENTS

(INCLUDING A-RESULTS)

NUMBER OF LABS 6

OUTLIER FOR LIMITS 0

OUTLIER FOR SD 0

NUMBER OF VALID VALUES 6

OVERALL-MEAN 8,63

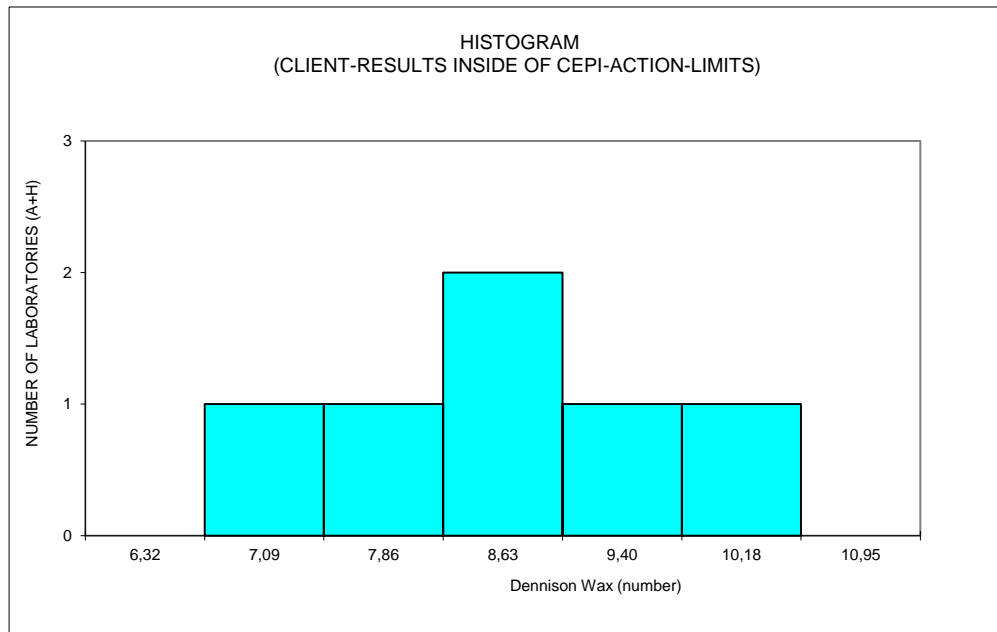
SD WITHIN 0,645

SD BETWEEN 1,039

DATA FOR HISTOGRAM

NUMBER OF BARS 7

WIDTH OF CLASS 0,77



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Dennison Wax

METHOD: Tappi T459
CEPI-TEST: 9.12

ROUND: 2018-1

SAMPLE: Level - 3
UNIT: number

REPORT: <<< H >>>

ISSUED BY: IGT **INDICATIVE VALUE:** 10÷14

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 6
CEPI-A-MEAN 14,6
CEPI-SD-WITHIN 0,77
CEPI-SD-BETWEEN 1,76

CEPI-RANGE:

WARNING LIMITS
CEPI-A-MEAN - 2,0 SD 11,1
CEPI-A-MEAN + 2,0 SD 18,1

ACTION LIMITS

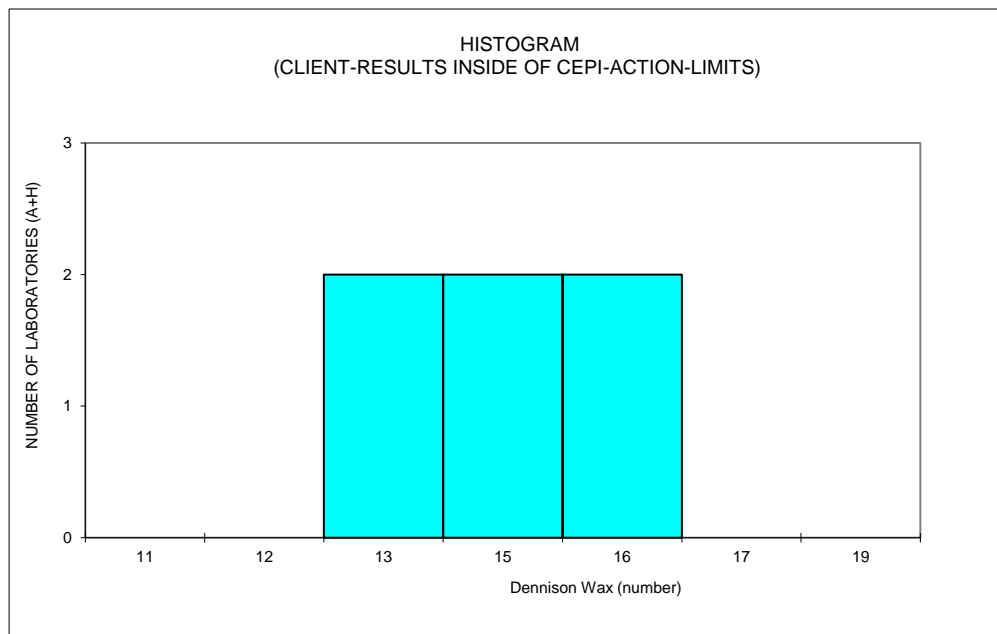
CEPI-A-MEAN - 2,6 SD 10,0
CEPI-A-MEAN + 2,6 SD 19,2

RESULTS OF CLIENTS

(INCLUDING A-RESULTS)
NUMBER OF LABS 7
OUTLIER FOR LIMITS 0
OUTLIER FOR SD 1
NUMBER OF VALID VALUES 6
OVERALL-MEAN 14,4
SD WITHIN 0,77
SD BETWEEN 1,39

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 1,3



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Dennison Wax

METHOD: Tappi T459
CEPI-TEST: 9.12

ROUND: 2018-1
REPORT: <<< H >>>
ISSUED BY: IGT
SAMPLE: Level - 4
UNIT: number
INDICATIVE VALUE: 14±18

STATISTICS

RESULTS OF A-ROUND

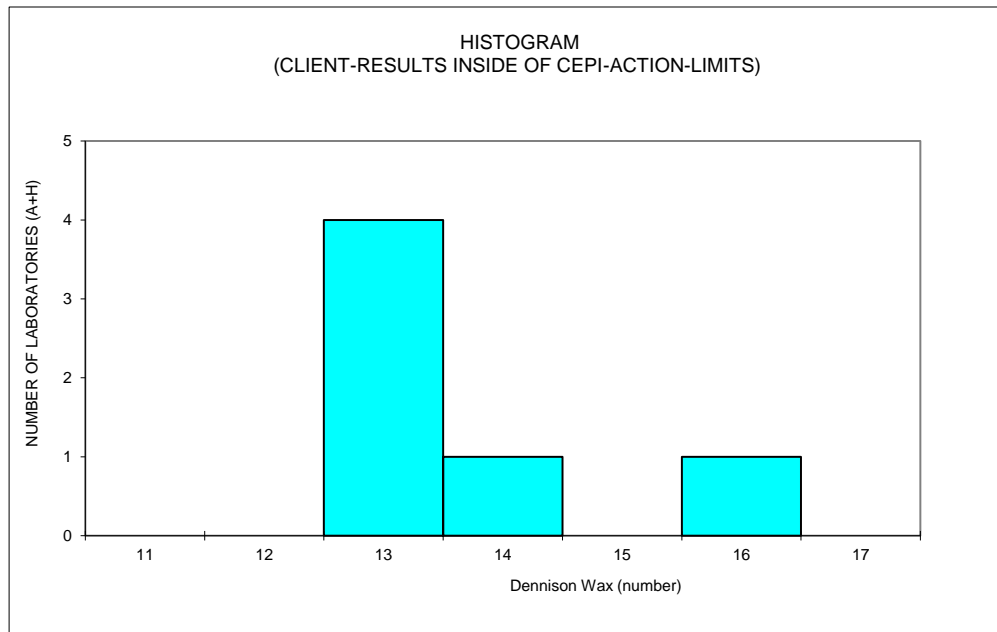
NUMBER OF LABS 6
CEPI-A-MEAN 14,0
CEPI-SD-WITHIN 0,58
CEPI-SD-BETWEEN 1,17
CEPI-RANGE:
WARNING LIMITS
CEPI-A-MEAN - 2,0 SD 11,7
CEPI-A-MEAN + 2,0 SD 16,3
ACTION LIMITS
CEPI-A-MEAN - 2,6 SD 11,0
CEPI-A-MEAN + 2,6 SD 17,0

RESULTS OF CLIENTS

(INCLUDING A-RESULTS)
NUMBER OF LABS 6
OUTLIER FOR LIMITS 0
OUTLIER FOR SD 0
NUMBER OF VALID VALUES 6
OVERALL-MEAN 13,7
SD WITHIN 0,41
SD BETWEEN 1,13

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 0,9



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Print penetration IGT

METHOD: IGT W24
CEPI-TEST: 9.2

ROUND: 2018-1

SAMPLE: Level - 1
UNIT: mm

REPORT: <<< H >>>

ISSUED BY: IGT **INDICATIVE VALUE:** 100÷110

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 4
CEPI-A-MEAN 88,8
CEPI-SD-WITHIN 3,37
CEPI-SD-BETWEEN 23,66

CEPI-RANGE:

WARNING LIMITS
CEPI-A-MEAN - 2,0 SD 41,5
CEPI-A-MEAN + 2,0 SD 136,1

ACTION LIMITS

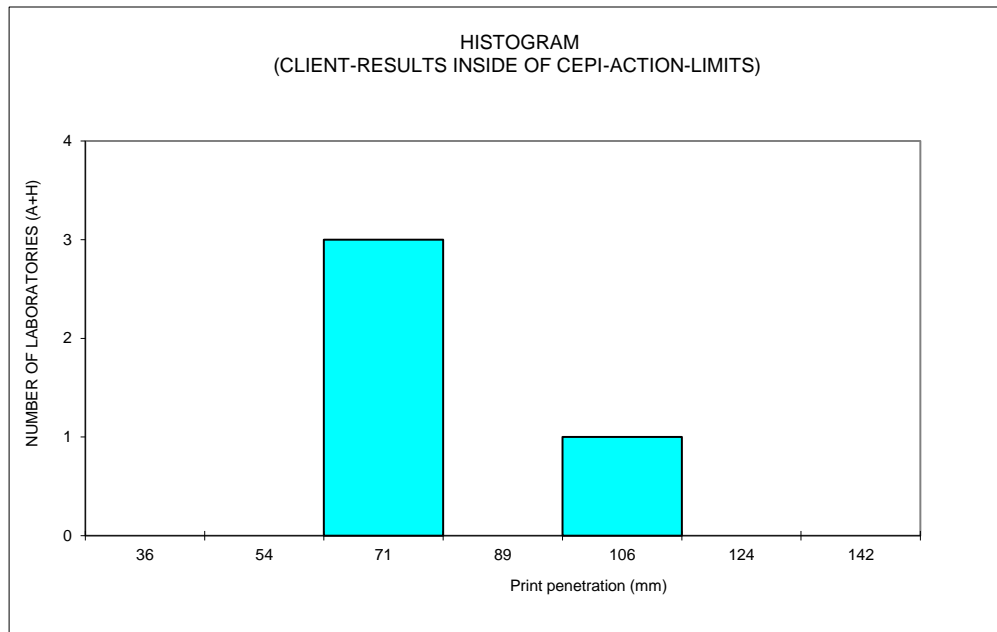
CEPI-A-MEAN - 2,6 SD 27,3
CEPI-A-MEAN + 2,6 SD 150,3

RESULTS OF CLIENTS

(INCLUDING A-RESULTS)
NUMBER OF LABS 6
OUTLIER FOR LIMITS 0
OUTLIER FOR SD 2
NUMBER OF VALID VALUES 4
OVERALL-MEAN 77,1
SD WITHIN 2,92
SD BETWEEN 17,10

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 17,6



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Print penetration IGT

METHOD: IGT W24
CEPI-TEST: 9.2

ROUND: 2018-1

SAMPLE: Level - 2
UNIT: mm

REPORT: <<< H >>>

ISSUED BY: IGT **INDICATIVE VALUE:** 120÷140

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 4
CEPI-A-MEAN 125
CEPI-SD-WITHIN 4,8
CEPI-SD-BETWEEN 10,3

CEPI-RANGE:

WARNING LIMITS
CEPI-A-MEAN - 2,0 SD 104
CEPI-A-MEAN + 2,0 SD 146

ACTION LIMITS

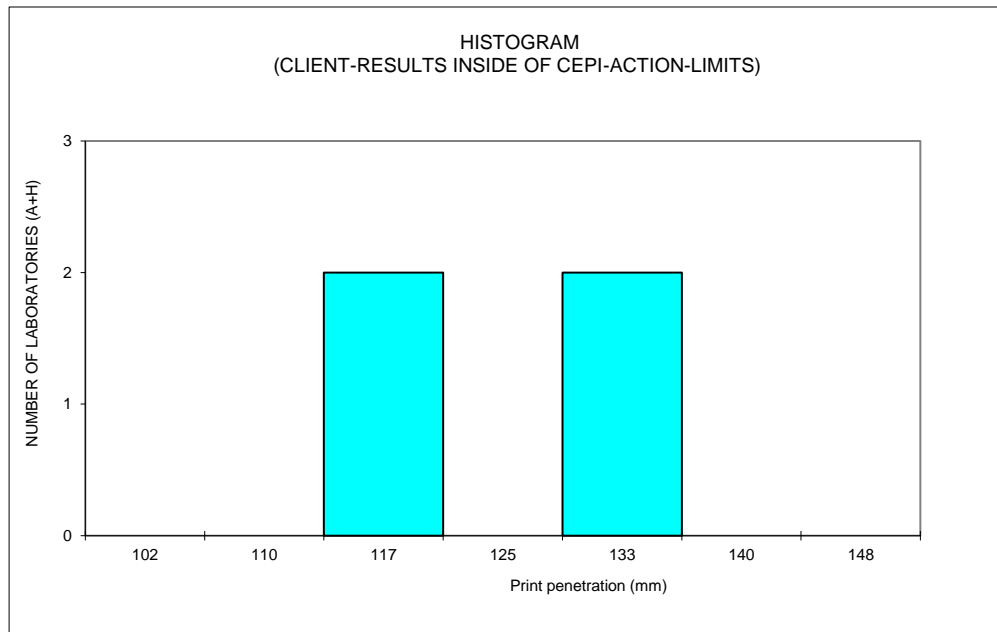
CEPI-A-MEAN - 2,6 SD 98
CEPI-A-MEAN + 2,6 SD 152

RESULTS OF CLIENTS

(INCLUDING A-RESULTS)
NUMBER OF LABS 5
OUTLIER FOR LIMITS 1
OUTLIER FOR SD 0
NUMBER OF VALID VALUES 4
OVERALL-MEAN 123
SD WITHIN 3,0
SD BETWEEN 7,7

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 8



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Print Gloss 60°

METHOD: ISO 2834
CEPI-TEST: 9.3(a)

ROUND: 2018-1

SAMPLE: Level - 1
UNIT: %

REPORT: <<< H >>>

ISSUED BY: IGT **INDICATIVE VALUE:** 55÷65

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 0

CEPI-A-MEAN #DIV/0!
CEPI-SD-WITHIN #DIV/0!
CEPI-SD-BETWEEN #NUM!

CEPI-RANGE:
WARNING LIMITS
CEPI-A-MEAN - 2,0 SD #DIV/0!
CEPI-A-MEAN + 2,0 SD #DIV/0!

ACTION LIMITS
CEPI-A-MEAN - 2,6 SD #DIV/0!
CEPI-A-MEAN + 2,6 SD #DIV/0!

RESULTS OF CLIENTS

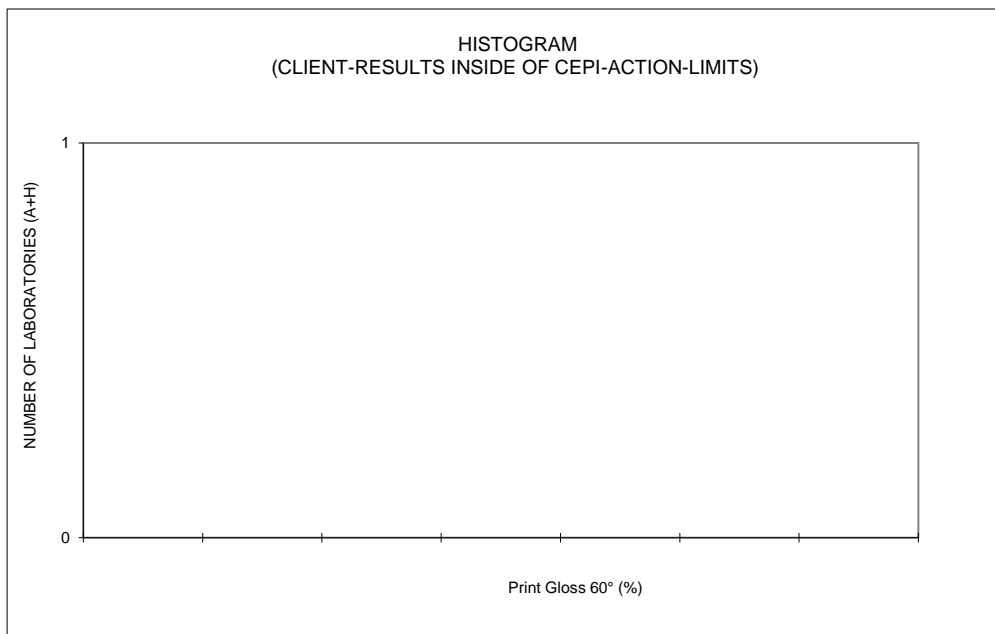
(INCLUDING A-RESULTS)

NUMBER OF LABS 0
OUTLIER FOR LIMITS 0
OUTLIER FOR SD #DIV/0!

NUMBER OF VALID VALUES #DIV/0!
OVERALL-MEAN #DIV/0!
SD WITHIN #DIV/0!
SD BETWEEN #DIV/0!

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS #DIV/0!



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Print Gloss 60°

METHOD: ISO 2834
CEPI-TEST: 9.3(a)

ROUND: 2018-1

SAMPLE: Level - 2
UNIT: %

REPORT: <<< H >>>

ISSUED BY: IGT **INDICATIVE VALUE:** 70÷80

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 0

CEPI-A-MEAN #DIV/0!
CEPI-SD-WITHIN #DIV/0!
CEPI-SD-BETWEEN #NUM!

CEPI-RANGE:
WARNING LIMITS
CEPI-A-MEAN - 2,0 SD #DIV/0!
CEPI-A-MEAN + 2,0 SD #DIV/0!

ACTION LIMITS
CEPI-A-MEAN - 2,6 SD #DIV/0!
CEPI-A-MEAN + 2,6 SD #DIV/0!

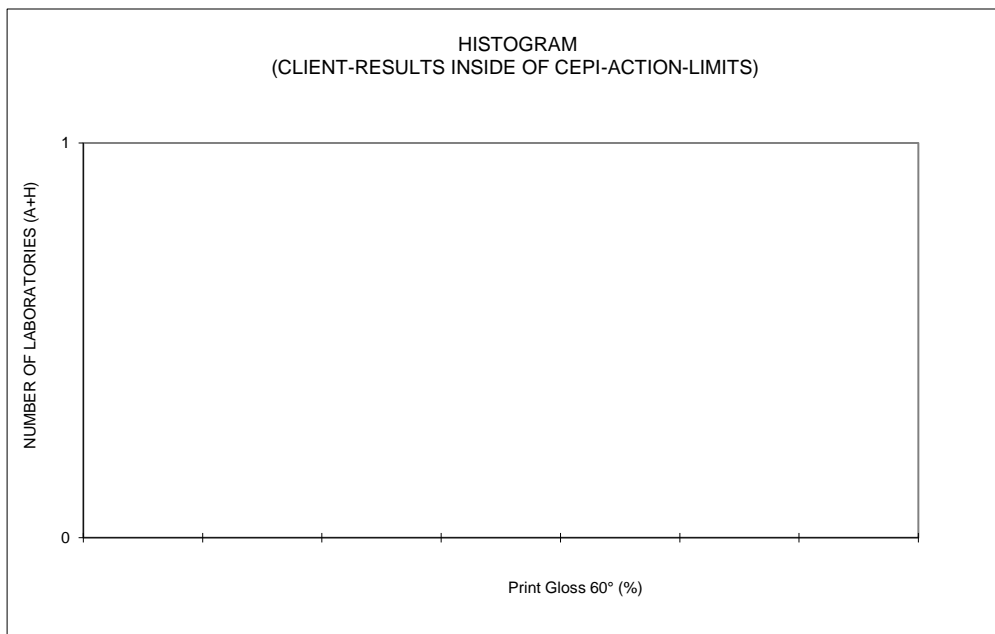
RESULTS OF CLIENTS

(INCLUDING A-RESULTS)
NUMBER OF LABS 0
OUTLIER FOR LIMITS 0
OUTLIER FOR SD #DIV/0!

NUMBER OF VALID VALUES #DIV/0!
OVERALL-MEAN #DIV/0!
SD WITHIN #DIV/0!
SD BETWEEN #DIV/0!

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS #DIV/0!



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018

Page 2/2



PROPERTY: Print Gloss 75°

METHOD: ISO 2834
CEPI-TEST: 9.3(b)

ROUND: 2018-1

SAMPLE: Level - 1
UNIT: %

REPORT: <<< H >>>

ISSUED BY: IGT **INDICATIVE VALUE:** 65±75

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 0

CEPI-A-MEAN #DIV/0!
CEPI-SD-WITHIN #DIV/0!
CEPI-SD-BETWEEN #NUM!

CEPI-RANGE:
WARNING LIMITS
CEPI-A-MEAN - 2,0 SD #DIV/0!
CEPI-A-MEAN + 2,0 SD #DIV/0!

ACTION LIMITS
CEPI-A-MEAN - 2,6 SD #DIV/0!
CEPI-A-MEAN + 2,6 SD #DIV/0!

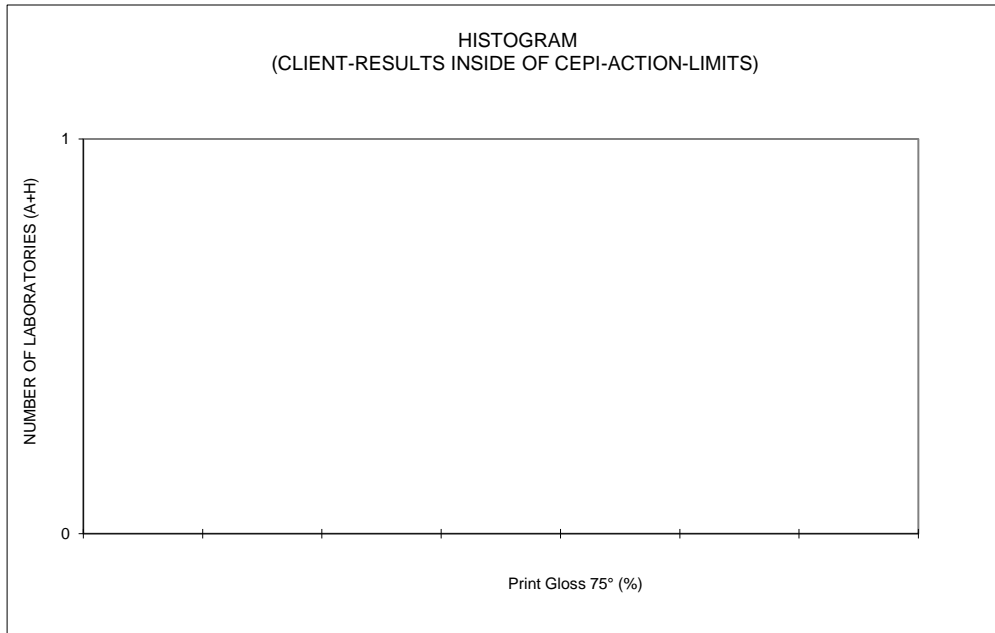
RESULTS OF CLIENTS

(INCLUDING A-RESULTS)
NUMBER OF LABS 0
OUTLIER FOR LIMITS 0
OUTLIER FOR SD #DIV/0!

NUMBER OF VALID VALUES #DIV/0!
OVERALL-MEAN #DIV/0!
SD WITHIN #DIV/0!
SD BETWEEN #DIV/0!

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS #DIV/0!



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY: Print Gloss 75°

METHOD: ISO 2834
CEPI-TEST: 9.3(b)

ROUND: 2018-1

SAMPLE: Level - 2
UNIT: %

REPORT: <<< H >>>

ISSUED BY: IGT **INDICATIVE VALUE:** 80÷90

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 0

CEPI-A-MEAN #DIV/0!
CEPI-SD-WITHIN #DIV/0!
CEPI-SD-BETWEEN #NUM!

CEPI-RANGE:
WARNING LIMITS
CEPI-A-MEAN - 2,0 SD #DIV/0!
CEPI-A-MEAN + 2,0 SD #DIV/0!

ACTION LIMITS
CEPI-A-MEAN - 2,6 SD #DIV/0!
CEPI-A-MEAN + 2,6 SD #DIV/0!

RESULTS OF CLIENTS

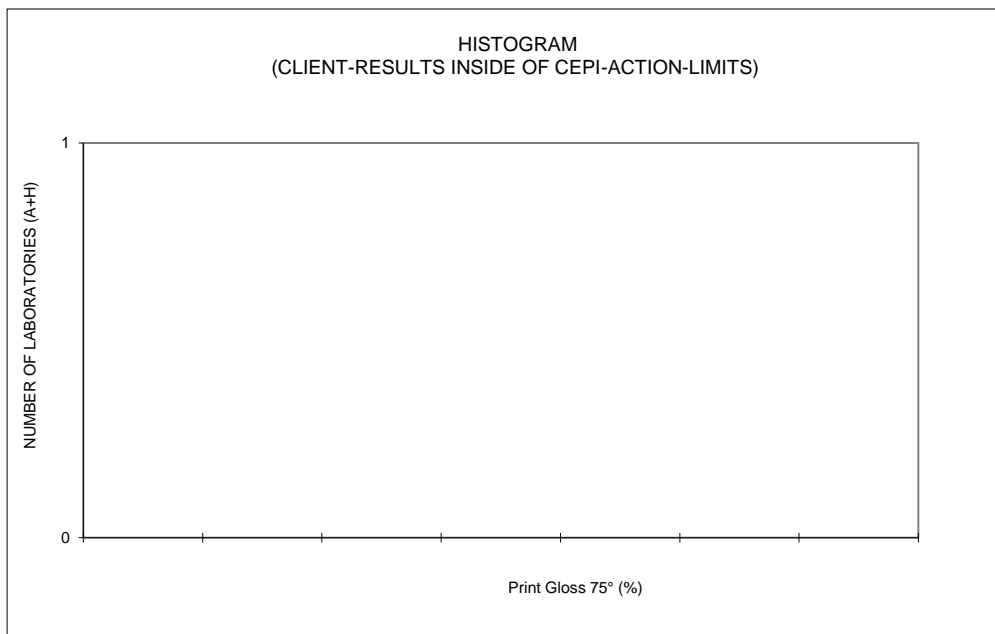
(INCLUDING A-RESULTS)

NUMBER OF LABS 0
OUTLIER FOR LIMITS 0
OUTLIER FOR SD #DIV/0!

NUMBER OF VALID VALUES #DIV/0!
OVERALL-MEAN #DIV/0!
SD WITHIN #DIV/0!
SD BETWEEN #DIV/0!

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS #DIV/0!



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018

Page 2/2



PROPERTY: Heliotest
METHOD: IGT W41
CEPI-TEST: 9.8

ROUND: 2018-1
REPORT: <<< H >>>
ISSUED BY: IGT
SAMPLE: Level - 1
UNIT: mm
INDICATIVE VALUE: 40-60

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS 2
CEPI-A-MEAN 30,2
CEPI-SD-WITHIN 4,69
CEPI-SD-BETWEEN 27,92

CEPI-RANGE:

WARNING LIMITS
CEPI-A-MEAN - 2,0 SD -25,6
CEPI-A-MEAN + 2,0 SD 86,1

ACTION LIMITS

CEPI-A-MEAN - 2,6 SD -42,3
CEPI-A-MEAN + 2,6 SD 102,8

RESULTS OF CLIENTS

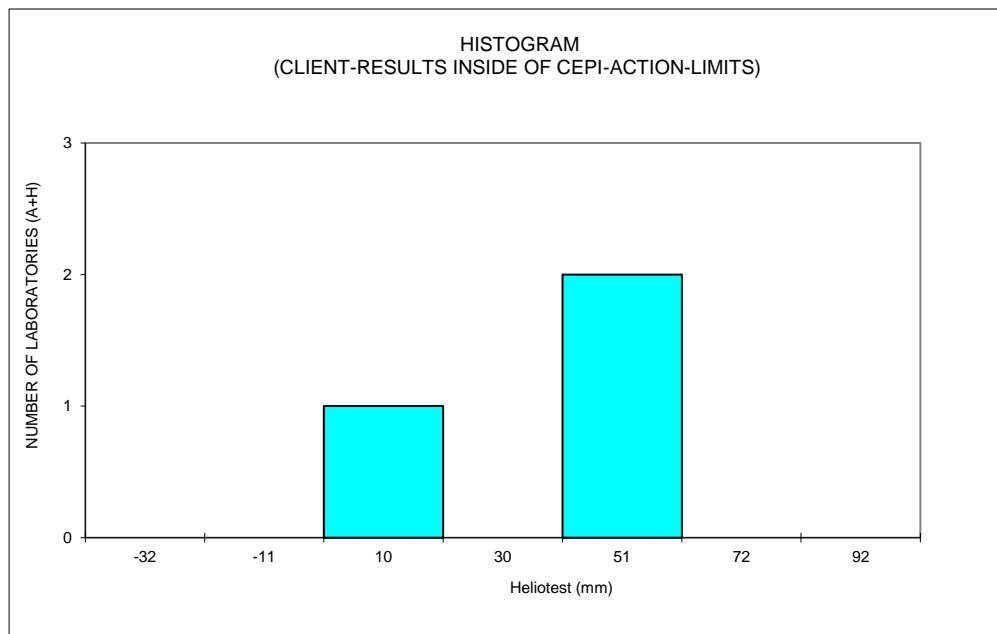
(INCLUDING A-RESULTS)

NUMBER OF LABS 3
OUTLIER FOR LIMITS 0
OUTLIER FOR SD 0

NUMBER OF VALID VALUES 3
OVERALL-MEAN 34,9
SD WITHIN 4,42
SD BETWEEN 21,34

DATA FOR HISTOGRAM

NUMBER OF BARS 7
WIDTH OF CLASS 20,7



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018



PROPERTY:	Heliotest
METHOD:	IGT W41
CEPI-TEST:	9.8
ROUND:	2018-1
SAMPLE:	Level - 2
UNIT:	mm
REPORT:	<<< H >>>
ISSUED BY:	IGT
INDICATIVE VALUE:	80÷100

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS	2
CEPI-A-MEAN	83,0
CEPI-SD-WITHIN	2,44
CEPI-SD-BETWEEN	38,25
CEPI-RANGE:	
WARNING LIMITS	
CEPI-A-MEAN - 2,0 SD	6,4
CEPI-A-MEAN + 2,0 SD	159,5
ACTION LIMITS	
CEPI-A-MEAN - 2,6 SD	-16,5
CEPI-A-MEAN + 2,6 SD	182,4

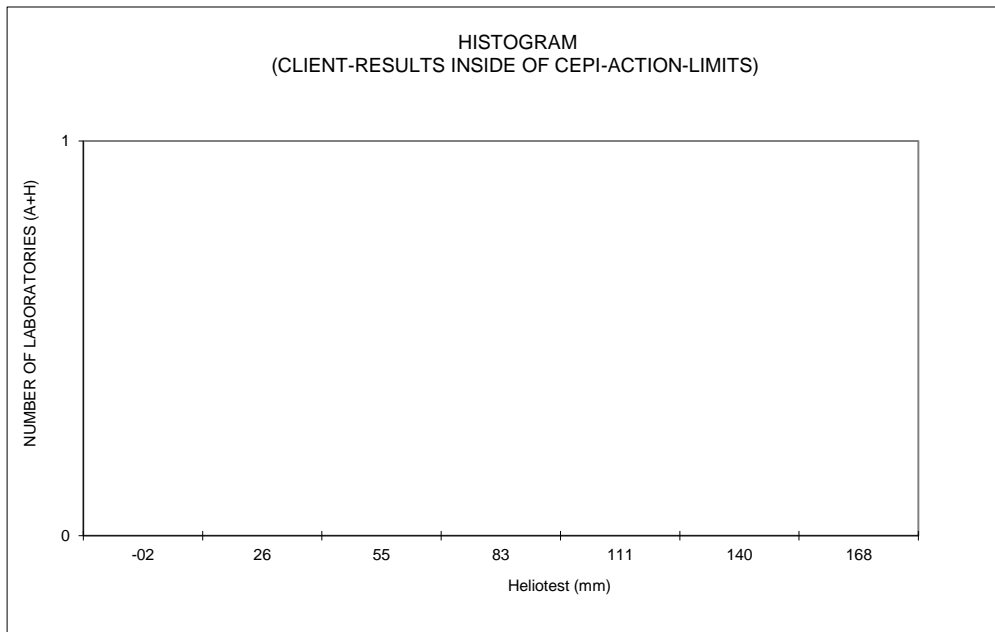
RESULTS OF CLIENTS

(INCLUDING A-RESULTS)

NUMBER OF LABS	2
OUTLIER FOR LIMITS	0
OUTLIER FOR SD	2
NUMBER OF VALID VALUES	0
OVERALL-MEAN	#DIV/0!
SD WITHIN	#DIV/0!
SD BETWEEN	#DIV/0!

DATA FOR HISTOGRAM

NUMBER OF BARS	7
WIDTH OF CLASS	28,4



* Values on the X-axis correspond to middle of the classes

Signed by Mr. W. de Groot
for IGT as a member of the
CEPI Comparative Testing Service

Date 2-7-2018

Page 2/2