

Test report summary

Tested for: DA Tech Co Ltd
391-17, Cheongcheon-dong, Bupyeong-gu
Incheon
Korea

Tested by: MHF International Road Safety Test Lab
Storgatan 3
543 31 Tibro Sweden

Product name: AF-30C, AF-33C, AF-35C

Serial number: E8Z 0001, E8Z 0002, E8Z 0003, E8Z 0004, E8Z 0005, E8Z 0006
E8Z007, EAZ 0130, EAX 0131, EXZ 0004

Test Standard: EN 16280:2012

Test report no: 1157

Limits: Calibration period 12 month

Test results: **Approved** In all tests according to EN 16280:2012. With classification according to the specifications above.

Tibro 2015-08-07



Tomas Jonsson
CEO



Ph.D Lars Olov Sjöström
Quality leader

Test report

Every test element has been performed according to approved standards and has been documented in the appendix. The result only applies to the tested objects. The result and the limitations of each test element are shown in this test report.

Date:	2015-08-07
Tested for:	DA Tech Co Ltd 391-17, Cheongcheon-dong, Bupyeong-gu Incheon Korea
Tested by:	MHF International Road Safety Test Lab Organisation no: 556108-4384 Accredited by Swedac (www.swedac.se) Storgatan 3 543 31 Tibro Sweden
Test report no:	1157
Test period:	2014-07-17 – 2015-08-07
Product name:	AF-30C, AF-33C, AF-35C
Serial number:	E8Z 0001, E8Z 0002, E8Z 0003, E8Z 0004, E8Z 0005, E8Z 0006 E8Z007, EAZ 0130, EAX 0131, EXZ 0004
Test Standard:	EN 16280:2012
Test result:	The following table shows the test result, with reference to detailed documentation in appendix.

Test element	Lab	Result	Appendix
5.2 Hygiene	MHF	Pass	1&2
5.3 Electrical safety	MHF	Pass	1&2
6.1 General requirements	MHF	Pass	1&2
6.3 Measurement range	MHF	Pass	1&2
6.5 Operating environmental conditions	MHF	Pass	1&2
6.5 Ease of use	MHF	Pass	1&2
6.6 Breath sampling method	MHF	Pass	1&2
6.7.1 Units of measurement	MHF	Pass	1&2

6.7.2 Rounding in test mode	MHF	Pass	1&2
6.7.3 Rounding in normal mode	MHF	Pass	1&2
6.7.4 Display	MHF	Pass	1&2
6.8 Adjustment	MHF	Pass	1&2
6.9 Calibration period	MHF	Pass	1&2
6.10 Start-up time	MHF	Pass	1&2
6.11 Time for accepting a specimen	MHF	Pass	1&2
6.12 Frequency of measurement	MHF	Pass	1&2
6.13 Power supply duration	MHF	Pass	1&2
7.4.2 Accuracy testing	MHF	Pass	1&2
7.4.3 Drift testing	MHF	Pass	1&2
7.5.1 Effect of high alcohol concentration	MHF	Pass	1&2
7.5.2 Effect of humidity in sample gas	MHF	Pass	1&2
7.6.2 Operating temperature	MHF	Pass	1&2
7.6.3.1 Minimum volume	MHF	Pass	1&2
7.6.3.2 Minimum time of exhalation	MHF	Pass	1&2
7.6.3.3 Continuity of the breath exhalation	MHF	Pass	1&2
7.6.3.4 Back pressure	MHF	Pass	1&2
7.6.4 Influence factors exhalation param..	MHF	Pass	1&2
7.6.5 Voltage variation	MHF	Pass	1&2
7.7.2 Free fall	MHF	Pass	1&2
7.7.3.1 Cold	MHF	Pass	1&2
7.7.3.2 Dry heat	MHF	Pass	1&2
8 Marking	MHF	Pass	1&2
9 Operating instructions	MHF	Pass	1&2

Possible annotations are shown in the test protocol document appendix 1 and 2.

Test result: **Approved** In all tests according to EN 16280:2012. With classification according to the specifications above.

Appendix:
 No 1: Test protocol document for alkolock no: 230:11
 No 2: Test protocol document for alkolock no: 202:12



2012
ISO/IEC 17025

Tibro 2015-08-07

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