

# TEST REPORT

## EN ISO 12100-1:2003

EN ISO 12100-1 2003 Safety of Machinery--Basic concepts, general principles for design--Part 1:  
Basic terminology, methodology


Name and address of the testing laboratory	SHANGHAI SEBO EQUIPMENT TESTING & TECHNICAL CO., LTD 2-201, LANE 58, EAST XINJIAN RD., MINHANG DISTRICT, SHANGHAI, CHINA
Name and address of the applicant	CHANGZHOU ALCO INTERNATIONAL CO., LTD. NO.5-2 TAIHUXI ROAD, CHANGZHOU, JIANGSU, CHINA
Name and address of the manufacturer	CHANGZHOU ALCO INTERNATIONAL CO., LTD. NO.5-2 TAIHUXI ROAD, CHANGZHOU, JIANGSU, CHINA
Product	VACUUM LIFTER
Trademark	ALCLAD
Model/Type reference	LB800
Rating and principal characteristics	Power:0.73kw, Voltage:380V, Max load:800kgs, Weight: 130kgs
Tested according to	EN ISO 12100-1:2003
Test Result	PASS
Test report no.	VL-110711-3
Work carried out by	Qinju Song
Work verified by	Jade Zhang
Date of Issue	July 11, 2022
Signature	宋钦聚



# TEST REPORT

## EN 60204-32:2008


EN60204-32:2008 Safety of Machinery \_ Electrical equipment of machines-  
Part32: Requirements for hoisting machines

Name and address of the testing laboratory	SHANGHAI SEBO EQUIPMENT TESTING & TECHNICAL CO., LTD 2-201, LANE 58, EAST XINJIAN RD., MINHANG DISTRICT, SHANGHAI, CHINA
Name and address of the applicant	CHANGZHOU ALCO INTERNATIONAL CO., LTD. NO.5-2 TAIHUXI ROAD, CHANGZHOU, JIANGSU, CHINA
Name and address of the manufacturer	CHANGZHOU ALCO INTERNATIONAL CO., LTD. NO.5-2 TAIHUXI ROAD, CHANGZHOU, JIANGSU, CHINA
Product	VACUUM LIFTER
Trademark	ALCLAD
Model/Type reference	LB800
Rating and principal characteristics	Power:0.73kw, Voltage:380V, Max load:800kgs, Weight: 130kgs
Tested according to	EN 60204-32:2008
Test Result	PASS
Test report no.	VL-110711-6
Work carried out by	Qinju Song
Work verified by	Jade Zhang
Date of Issue	July 11, 2022
Signature	

# TEST REPORT


## EN ISO 14121-1:2007

Safety of machinery-principles for risk assessment

Name and address of the testing laboratory	SHANGHAI SEBO EQUIPMENT TESTING & TECHNICAL CO., LTD 2-201, LANE 58, EAST XINJIAN RD., MINHANG DISTRICT, SHANGHAI, CHINA
Name and address of the applicant	CHANGZHOU ALCO INTERNATIONAL CO., LTD. NO.5-2 TAIHUXI ROAD, CHANGZHOU, JIANGSU, CHINA
Name and address of the manufacturer	CHANGZHOU ALCO INTERNATIONAL CO., LTD. NO.5-2 TAIHUXI ROAD, CHANGZHOU, JIANGSU, CHINA
Product	VACUUM LIFTER
Trademark	ALCLAD
Model/Type reference	LB800
Rating and principal characteristics	Power:0.73kw, Voltage:380V, Max load:800kgs, Weight: 130kgs
Tested according to	EN ISO14121-1:2007
Test Result	PASS
Test report no.	VL-110711-2
Work carried out by	Qinju Song
Work verified by	Jade Zhang
Date of Issue	July 11, 2022
Signature	

# TEST REPORT

## Essential Health and safety requirements

Name and address of the testing laboratory	SHANGHAI SEBO EQUIPMENT TESTING & TECHNICAL CO., LTD 2-201, LANE 58, EAST XINJIAN RD., MINHANG DISTRICT, SHANGHAI, CHINA
Name and address of the applicant	CHANGZHOU ALCO INTERNATIONAL CO., LTD. NO.5-2 TAIHUXI ROAD, CHANGZHOU, JIANGSU, CHINA
Name and address of the manufacturer	CHANGZHOU ALCO INTERNATIONAL CO., LTD. NO.5-2 TAIHUXI ROAD, CHANGZHOU, JIANGSU, CHINA
Product	VACUUM LIFTER
Trademark	ALCLAD
Model/Type reference	LB800
Rating and principal characteristics	Power:0.73kw, Voltage:380V, Max load:800kgs, Weight: 130kgs
Tested according to	Essential health and safety requirements
Test Result	PASS
Test report no.	VL-110711-1
Work carried out by	Qinju Song
Work verified by	Jade Zhang
Date of Issue	July 11, 2022
Signature	



# EC Declaration of Conformity

We Changzhou Alco International Co.,Ltd

of

No5-2, Taihuxi road, Changzhou Jiangsu, China

Declare that VACUUM LIFTER

Model: LB800-8C

Serial Number:

Meets all relevant requirements of the following European directives

2006/42/EC Machinery Directives

2006/95/EC Low Voltage Directives

Using the following draft and transposed standards

EN ISO 12100-1, EN ISO 12100-2, EN ISO 14121-1, EN 13155, EN 60204-32

Having been examined to the requirements of the Machinery directives  
2006/42/EC by:

Safenet Limited

Notification number: 1674

Denford Garage

Denford Kettering

Northamptonshire

NN14 4EQ. UK.

Safenet is authorized to compile the technical file in the European community.


Signed



# TEST REPORT

## EN 13155:2003 + A2:2009

EN13155:2003 + A2:2009 Cranes -Safety -Non-fixed load lifting attachments

Name and address of the testing laboratory	SHANGHAI SEBO EQUIPMENT TESTING & TECHNICAL CO., LTD 2-201, LANE 58, EAST XINJIAN RD., MINHANG DISTRICT, SHANGHAI, CHINA
Name and address of the applicant	CHANGZHOU ALCO INTERNATIONAL CO., LTD. NO.5-2 TAIHUXI ROAD, CHANGZHOU, JIANGSU, CHINA
Name and address of the manufacturer	CHANGZHOU ALCO INTERNATIONAL CO., LTD. NO.5-2 TAIHUXI ROAD, CHANGZHOU, JIANGSU, CHINA
Product	VACUUM LIFTER
Trademark	ALCLAD
Model/Type reference	LB800
Rating and principal characteristics	Power:0.73kw, Voltage:380V, Max load:800kgs, Weight: 130kgs
Tested according to	EN 13155:2003 +A2:2009
Test Result	PASS
Test report no.	VL-110711-5
Work carried out by	Qinju Song
Work verified by	Jade Zhang
Date of Issue	July 11, 2022
Signature	

# ENISO 14121-1 SAFETY OF MACHINERY

## -Principles for risk assessment

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### 1.Introduction.

In general this risk assessment report for the VACUUM LIFTER model LB800-8C series and its variants made by CHANGZHOU ALCO INTERNATIONAL CO., LTD. was carried out in accordance with the requirements of Machinery Directive and the standards of EN ISO 14121-1 and DINV 19250, in which an explicit risk level is evaluated with 4 factors described in next clause.

After the first assessment, some measures to eliminate the risks are given for the modification of machine or of relative documents with taking into account the explicit C-type EN standard or related B-type standard.

While taking appropriate provisions for the existing risks, the procedures and principles to eliminate the risk according to the most general B-type standard for any kind of machine, EN292-part I, are followed, i.e.:

- First step: consider the possibility of eliminating risk at design stage
- Second step: if impossible, protect the dangerous zone with appropriate design of safety guard or safety device.
- Third step: If above impossible, give warning signs to draw attention of operators about the residual risks.

In addition some check list drawn from the explicit C-type EN standards, which are found suitable for or near the characteristic of this machine, are used to help developing the provisions for the elimination of the risks.

Finally the risk assessment was carried out again to ensure this machine and its relative documents are totally compliance with the Machinery Directive.