



VLB
BERLIN

Tecnicom Srl.
Gral. Rodriguez 1068 CP 1686
Hurlingham, Provincia de Buenos Aires
Argentina

Verpackungsprüfstelle
Vertragslaboratorium des
Deutschen Brauer-Bundes e.V.

Your Ref	Your Message from	Our Ref	Telephone	Date
		Do/VP	-2 42	15.10.2019

REPORT ABOUT THE TESTING OF ADHESIVES

Test report no.:	VP-TR-402_1/19
This test report consists of:	3 pages Text (page 1 of 3)
Client:	Addressee
Test item:	1 sample synthetic Adhesive
Date of sampling:	no declaration
Location of sampling:	no declaration
Sampling plan:	no declaration
Sampling procedure:	no declaration
Date of receipt of sample:	26.08.2019
Date(s) of permanence of test:	09.09.2019 – 08.10.2019
Test Characteristic(s):	Different tests
Test method:	DIN, MEBAK, STLB
Journal no.:	402_1
Producer	Addressee
Product (acc. to declaration):	Coltec SA 95 v 2, Lot no: 17622

**The test results relate only to the items tested.
The test report shall be reproduced only in full.
The reproduction except in full requires the previous written approval
of the Versuchs- und Lehranstalt für Brauerei in Berlin (VLB) e.V..**

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GESCHÄFTSFÜHRER
Dr.-Ing. Josef Fontaine
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Mitglied der Arbeits-
gemeinschaft industrieller
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BANKVERBINDUNGEN
Deutsche Bank Privat- und
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Swift Code (BIC): PBNKDE33

Commerzbank AG
IBAN: DE69 1008 0000 0891 6470 00
Swift Code (BIC): DresDE33HAN

Ust-IdNr: DE 136 621 351
Steuernummer: 27/029/44005
Vereinsregister-Nr.: 24043 NZ
Amtsgericht Berlin-Charlottenburg

Test results

Properties of the adhesive

	M e a s u r e m e n t	
	Mean value	Standard-deviation
	\bar{x}	s
Come-off time in alkaline solution (1 % NaOH, 75 °C), MEBAK & STLB ^N		
Come-off time [sec]:	118	13,2
Ice-water resistance, MEBAK & STLB ^N		
Come-off time [min]:	no label detachments, test was cancelled after 72 hrs	

Preservation of the adhesive (VLB)

At dilution of 1 part adhesive with 1, 3, 7, 16, 32 and 66 parts water, occurred no infection odour.

Evaluation: very effective preservation

The tests were carried out under consideration of the SPECIAL TECHNICAL DELIVERY AND PURCHASE REQUIREMENTS FOR LABEL ADHESIVES (STLB label adhesives) issued in January 2009. The marking * expresses, that this characteristic exceeds the tolerance range. If the report does not show characteristics marked with *, then therefore all characteristics are corresponding with the tolerance limits.

In case that the delivery is corresponding with other regulations, these markings are baseless.

With kind regards

RESEARCH AND TEACHING INSTITUTE FOR BREWING IN BERLIN (VLB)
Research Institute for Beer and Beverage Production
Testing Laboratory for Packaging

M.Eng./Dipl.-Ing. (FH) Susan Dobrick
Head of Packaging Laboratory

Remarks:

The determination of the come-off time in alkaline solution and the ice-water resistance was carried out with a glue spreading according to DIN 16524-6, indirect glueing.

The dew-water resistance is determined according to DIN 50017 "Condensated water-containing climates"

after deposit of the on 5 °C chilled and labelled bottles in an area with 100 % rel. humidity and 40 °C.

The real dew-water resistance in practice is substantially influenced by the filling and stockroom conditions.

The most important parameters are:

1. Filling temperature,
2. Exposition in the stockroom (enough place between pallets for sufficient air circulation),
3. (Forced) Ventilation of the stockrooms,
4. Air demoistening in the stockrooms.



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Your Ref

Your Message from

Our Ref
Do/VP

Telephone
-2 42

Date
11.10.2019

REPORT ABOUT THE TESTING OF ADHESIVES

Test report no.:	VP-TR-403_1/19
This test report consists of:	3 pages Text (page 1 of 3)
Client:	Addressee
Test item:	1 sample synthetic Adhesive
Date of sampling:	no declaration
Location of sampling:	no declaration
Sampling plan:	no declaration
Sampling procedure:	no declaration
Date of receipt of sample:	26.08.2019
Date(s) of permanence of test:	09.09.2019 – 08.10.2019
Test Characteristic(s):	Different tests
Test method:	DIN, MEBAK, STLB
Journal no.:	403_1
Producer	Addressee
Product (acc. to declaration):	Coltec SA 130, Lot no: 17642

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Vereinsregister-Nr.: 24043 NZ
Amtsgericht Berlin-Charlottenburg

Test results

Properties of the adhesive

	M e a s u r e m e n t	
	Mean value	Standard-deviation
	\bar{x}	s
Come-off time in alkaline solution (1 % NaOH, 75 °C), MEBAK & STLB ^N		
Come-off time [sec]:	114	8,4
Ice-water resistance, MEBAK & STLB ^N		
Come-off time [min]:	no label detachments, test was cancelled after 72 hrs	

Preservation of the adhesive (VLB)

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