

SCOPE OF ACCREDITATION FOR TESTING LABORATORY No. AB 086

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 <p>PCA POLSKIE CENTRUM AKREDYTACJI BADANIA AB 086</p>	<p>Name and address</p> <p style="text-align: center;">COBICO Ltd COBICO LABORATORY Przebieczany 529 32-020 Wieliczka/PL</p>
<p>Identification Code Domain/object of tests</p>	<p>Domain/object of tests:</p>
<p>C/4; C/49; J/49; N/4; N/49 Q/4; Q/49</p>	<p>Chemical testing of chemicals, chemical products, packaging materials. Mechanical testing of packaging materials. Physical properties tests of chemicals, chemical products, packaging materials Sensory tests of chemicals, chemical products, packaging materials.</p>

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The identification code according to the Annex to document DAB-07, available at PCA website www.pca.gov.pl

DIRECTOR
ANDRZEJ KOBER

This document is an annex to accreditation certificate No AB 086 of 28.01.2020
Accreditation cycle from 09.01.2019 to 11.02.2023
The status of accreditation and validity of the scope of accreditation can be confirmed at PCA website www.pca.gov.pl

COBICO Laboratory Przebieczany 529, 32-020 Wieliczka/PL		
Tested object/Product	Type of activity/Tested features/Method	Reference documents
Food cans	Damages and defects of the surface: - contaminations - spots - saggings - scratches - mechanical damages - lithography displacement, sharpness of drawings and inscriptions - placement of sealing compound on ends - view of side-seam and double seam Visual assessment of can bodies and ends.	Procedure PB-01 Rev. 1 of 22.08.2019
	Can height Range: up to 300 mm	Procedure PB-01 Rev. 1 of 22.08.2019
	Flange width of the can body Range: up to 5 mm	
	Thickness of metal sheet Range: up to 1 mm	
	Diameter of the end Range: up to 110 mm	
	Curl and countersink height of the end Range: up to 10 mm	
	Chemical resistance of the inside lacquer coatings	Procedure PB-01 Rev. 1 of 22.08.2019 PN-O-79551-1:1997
	Resistance of the outside lacquer coatings to drinking water effect	Procedure PB-01 p.5.4.5 Rev 1 of 22.08.2019
	An effect of the can on organoleptic properties of its content	Procedure PB-01 p.5.4.3.1 Rev. 1 of 22.08.2019
	Correctness of double seam workmanship- visual assessment Parameters of the double seam: - depth of press forming - length of the seam - % of overlap - % of body hook butting - free space - countersink Microscope measurements	Procedure PB-01 Rev. 1 of 22.08.2019
	Leakproofness of can bodies Range: up to 600 kPa Pressure testing	Procedure PB-01 Rev. 1 of 22.08.2019
	Can capacity: Range: up to 3.2 dm ³ Weight method	PN-EN ISO 90-1: 2002
	Porosity of the lacquer coating Electrochemical method	Procedure PB-08 Rev. 1 of 22.08.2019
Beverage cans	Damages and defects of the surface: - contaminations - spots - saggings - scratches - mechanical damages - lithography displacement, sharpness of drawings and inscriptions - placement of sealing compound on ends - view of side-seam and double seam Visual assessment	Procedure PB-01 Rev. 1 of 22.08.2019.

Tested object/Product	Type of activity/Tested features/Method	Reference documents
Beverage cans	Can height Range: up to 300 mm	Procedure PB-01 Rev. 1 of 22.08.2019
	Flange width of the can body Range: up to 5 mm	
	Thickness of sheet metal Range: up to 1 mm	
	Diameter of the end Range: up to 110	
	Curl and countersink height of the end Range: up to 10 mm	
	Resistance of the outside lacquer coatings to drinking water effect	Procedure PB-01 Rev.1 of 22.08.2019
	An effect of the can on organoleptic properties of its content	Procedure PB-01 p.5.4.3.2 Rev. 1 of 22.08.2019
	Correctness of double seam workmanship- visual assessment Parameters of the double seam: - depth of press forming - length of the seam - % of overlap - % of body hook butting - free space - countersink Microscope measurements	Procedure PB-01 Rev. 1 of 22.08.2019
	Cans capacity: Range: up to 3.2 dm ³ Weight method	Procedure PB-01 Rev. 1 of 22.08.10.2019
	Porosity of the lacquer coating Electrochemical method	Procedure LQB-08 Rev. 1 of 22.08.2019
Crown corks	An effect of crown cork on the organoleptic properties of a bottle content	PN-O-79571:1996 p. 3.8.2 and 5.4.7 Procedure PB-02 p. 5.4.6. Rev.1 of 22.08.2019
	Porosity of the lacquer coating Electrochemical method	Procedure PB-08 Rev. 1 of 22.08.2019
Twist-offs	Damages and defects of the surface of twist-offs as well sealing compounds. Visual assessment	PN-O-79570:1996
	Chemical resistance of the inside lacquer coatings	PN-O-79570:1996 p.3.3.1.2 and 5.4.4
	Resistance of the outside lacquer and lithographic coatings to drinking water	PN-O-79570:1996 p.3.3.2.2 and 5.4.6
	An effect of the lacquer coating on organoleptic properties of jars content.	PN-O-79570:1996 p.3.5.2 and 5.4.5
	Chemical resistance of sealing compound.	PN-O-79570:1996 p.3.3.3.2 and 5.4.7
	Adhesiveness of sealing compound to substrate. Thermal-mechanical method.	PN-O-79570:1996 p.3.3.3.1 and 5.4.8
	Leakproofness of closure Range: up to 90 kPa -measurement of negative pressure.	PN-O-79570:1996
	Opening torque Range: up to 14 Nm	PN-O-79570:1996

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Tested object/Product	Type of activity/Tested features/Method	Reference documents
Lacquer coatings for metal packages and closures	Finish of the lacquer coating. Visual method.	Procedure PB-04 Rev. 1 of 22.08.2019.
	Basis weight of the dry lacquer coating.	Procedure PB-04 p.5.4.5 Rev. 1 of 22.08.2019.
	Chemical resistance of the lacquer coating.	Procedure PB-04 Rev. 1 of 22.08.2019.
	Porosity of the lacquer coating Chemical method: acidic cooper sulphate.	Procedure PB-04 p.5.4.9 Rev. 1 of 22.08.2019
Sheet metal for metal packings and closures	Thickness Range: up to 1 mm	PN-EN 10202:2003 p.9.2.2/AC:2004
	Hardness by Rockwell method Range: HR15T, HR30T	PN-EN ISO 6508-1:2016-10
Packages, closures, twist-offs, packaging materials	Overall migration Food simulants: - distilled water - isooctane - solutions of acetic acid - solution of ethanol Range: 0,4-500 mg/dm ² Weight method	PN-EN 1186-3:2005 PN-EN 1186-5:2005 PN-EN 1186-9:2006 PN-EN 1186-14:2005
Packages, closures, twist-offs, packaging materials	Specific migration to food simulants Phenol (0.025 ÷ 2.5) mg/kg Formaldehyde(0.02 ÷ 8.00) mg/kg Spectrophotometric method	Procedure PB-12 Rev.1 of 22.08.2019

A List of changes of The Scope of Accreditation No AB 086

Status of the changes: the original version-A

**Approved status of the changes
DIRECTOR**

ANDRZEJ KOBER
Date: 28.01.2020
