



CORK  
SUPPLY



# SUMMARY



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01.

# ABOUT CORK SUPPLY

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Jochen Michalski - Cork Supply Founder and President

## CORK SUPPLY IN THE WORLD

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# WHO WE ARE

**CORK SUPPLY** IS COMMITTED TO BEING THE WINE INDUSTRY'S MOST TRUSTED AND RELIED-UPON PARTNER, PROVIDING BEST-IN-CLASS PRODUCTS, EXCEPTIONAL EXPERTISE AND A PASSION FOR QUALITY AND CUSTOMER SATISFACTION.

Founded by Jochen Michalski in California in 1981, Cork Supply has enjoyed more than three decades of growth, solidifying the company's leading position in the North American natural cork stopper market. In addition, Cork Supply has established a superior sales and production presence in the major wine producing countries around the world.

Cork Supply began production in Portugal in 1995, and today the company manages four facilities in Portugal that vertically integrate cork production from forest to bottle. Raw corkwood is harvested from southern Portugal and Spain, transformed into premium quality natural cork stoppers and high-end technical corks and used to seal some of the world's finest wines.

Most recently, Cork Supply expanded their commitment to the wine industry by investing in a state-of-the-art facility to produce high-end technical corks. This investment fits seamlessly within the company's philosophy of vertical integration from forest to bottle.

In response to the needs of a rapidly expanding global wine industry, the Group launched Tonnellerie Ô, a California based cooperage that produces high quality French and American oak barrels, Creative Oak, a company also based in California that provides the industry's finest oak alternatives and Studio Labels, an award-winning Australian label design and printing company.

## CERTIFICATIONS

 <b>FSC</b> FOREST STEWARDSHIP COUNCIL	 <b>SYSTECODE CIPR</b> INTERNATIONAL CODE OF CORK STOPPER MANUFACTURING PRACTICES	 <b>HACCP</b> HAZARD ANALYSIS AND CRITICAL CONTROL POINTS	 <b>FSSC 22000</b> FOUNDATION OF FOOD SAFETY CERTIFICATION
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# WHAT SETS US APART

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## QUALITY MANAGEMENT: FROM FOREST TO BOTTLE

The corkwood that is extracted, and the corks that are produced, are submitted to continual and rigorous quality control checks throughout the different stages of production. Ensuring maximum quality from forest to bottle.

A team of specialists at Cork Supply work in collaboration with the forest owners year round to ensure that best practices in forest management are used. Together we work to protect and enhance the quality of the raw materials.

The quality of the corkwood is analyzed prior to its extraction. The strategic data that is collected allows us to map cork appellations and forest productivity over time.



## RIGOROUS QUALITY CONTROL

At Cork Supply, we are committed to providing corks of the highest quality to our winery and spirits customers. For us, the perfect cork goes all the way back to the forest, where we source only the finest cork wood. At the end of the production process, the perfect cork must be delivered to our customers free of detectable TCA. Here are the facts:

- Traceability from the forest;
- The most advanced boiling equipment in the industry;
- The largest number of laboratory analysis performed in the industry per cork sold;
- More than 5 million corks are consumed per year for quality control purposes;
- Internal laboratory equipped with chromatographers running 24h / 7 days per week;
- Minimum guaranteed: 3 control points for natural corks, 6 for micro-agglomerated corks and 8 for corks with discs;
- More than 150,000 chromatography analysis are performed annually;
- 16% of our employees are dedicated to Quality Control and R&D.



# WHAT SETS US APART

## PERFECTING NATURE THROUGH INNOVATION

INNOCORK®

### NATURAL CORK DISINFECTION TECHNOLOGY



Exclusively available at Cork Supply, Innocork® helps reduce the risk of sensory defects in natural corks caused by TCA or other off aromas. Innocork® is a patented process by which potential releasable TCA (2,4,6-trichloroanisole) and other off-aromas are extracted from natural cork using a water vapor & ethanol mixture under controlled temperature. Every natural cork and disc produced by Cork Supply is processed with Innocork®.

Independent laboratory results have proven that natural corks processed with Innocork® show levels of releasable TCA extraction between 60%-85%. This is just one example of the quality control systems that are implemented and integrated in our production chain.

Vapex®

### BATCH DISINFECTION PROCESS FOR GRANULES



100% of the granules used in the production of our micro-agglomerated corks are processed by VAPEX.

The disinfection process effectively extracts TCA and other off-aromas from cork granules by using pressured steam.

The batch disinfection system provides the most effective treatment for granules, resulting in maximum sensory neutrality and a homogenous performance. The batch system also allows for full traceability of granule lots.

The TCA Taint-Free\* VINC product line is a result of the optimized VAPEX technology.

\* Below or equal to 0.5 ng/L with AQL 0.65 between 0.5 - 1.0 ng/L.



## 02. OUR PRODUCT LINES

### CS STANDARD PRODUCTS

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# CS STANDARD PRODUCTS

## NATURAL CORKS






### CS NATURAL CORK

Cork Supply is committed to making the most of what Mother Nature gives us. We start with the finest cork wood and invest in state-of-the-art technologies at each stage of the process, from forest to bottle, to guarantee corks of the highest quality.

The CS Natural Cork, our premium selection, is extracted from top quality cork wood and undergoes our patented Innocork® process that guarantees consistent sensory performance.

The combination of quality, performance and sustainability makes the CS Natural Cork the natural choice for wines.

	TEST	METHOD	SPECIFICATION	AQL
SENSORY PROPERTIES	RELEASABLE TCA <sup>(1)</sup>	ISO 20752	≤ 1.5 ng/L	N.A.
	SENSORY ANALYSIS	Internal	Neutral	1.5
DIMENSIONAL PROPERTIES	LENGTH (STANDARD)	ISO 9727; ISO 2859; ISO 16420	38 / 45 / 49 / 54 +/- 0.7 mm	4.0
	DIAMETER (STANDARD)	ISO 9727; ISO 2859; ISO 16420	24 +/- 0.4 mm	1.5
PHYSICAL PROPERTIES	MOISTURE CONTENT	ISO 9727-3; ISO 2859; ISO 16420	5.0 - 7.6 %	4.0
	EXTRACTION FORCE <sup>(2) (3)</sup>	ISO 9727	15 - 35 daN	N.A.
	OXIDANTS	Internal	N.D	N.A.
AVAILABLE WASHES			  	Alpha      Alpha B      Natura

100% of our natural corks undergo the patented INNOCORK® process.

DS100 and DS10G services are available.

<sup>(1)</sup> Average value - ISO 20752 | <sup>(2)</sup> Lots > 10,000 corks | <sup>(3)</sup> Adjusted to cork dimension

N.D. - Not detectable | N.A. - Not applicable | AQL - Acceptable Quality Level


Edition: March 2019



## CS OPTIMUM COLMATED

When performance, visual quality and tradition are important decision making factors, the CS Optimum Colmated cork is an economical solution.

CS Optimum Colmated is a natural cork that has undergone a process to improve its porosity and visual quality. Every cork is produced under rigorous quality control processes that set the industry standard.

	TEST	METHOD	SPECIFICATION	AQL
SENSORY PROPERTIES	RELEASABLE TCA <sup>(1)</sup>	ISO 20752	≤ 1.5 ng/L	N.A.
	SENSORY ANALYSIS	Internal	Neutral	1.5
DIMENSIONAL PROPERTIES	LENGTH (STANDARD)	ISO 9727-1; ISO 2859; ISO 16420	38 / 45 / 49 +/- 0.7 mm	4.0
	DIAMETER (STANDARD)	ISO 9727-1; ISO 2859; ISO 16420	24 +/- 0.5 mm	1.5
PHYSICAL PROPERTIES	MOISTURE CONTENT	ISO 9727-3; ISO 2859; ISO 16420	5.0 - 7.6 %	4.0
	EXTRACTION FORCE <sup>(2)(3)</sup>	ISO 9727	15 - 35 daN	N.A.
	OXIDANTS	Internal	N.D	N.A.
AVAILABLE WASHES				 205

100% of our natural corks undergo the patented INNOCORK® process.

<sup>(1)</sup> Average value - ISO 20752 | <sup>(2)</sup> Lots > 10,000 corks | <sup>(3)</sup> Adjusted to cork dimension  
N.D. - Not detectable | N.A. - Not applicable | AQL - Acceptable Quality Level

Edition: March 2019

# CS STANDARD PRODUCTS

## TECHNICAL CORKS



### CS 1+1

CS 1+1 offers the traditional appearance and sustainability of natural cork with the consistent performance of high quality technical cork.

CS 1+1 has an agglomerated body with natural cork discs at each end. Each natural cork disc goes through the Innocork® process, our exclusive and patented TCA extraction system, for maximum sensory performance.

	TEST	METHOD	SPECIFICATION	AQL
SENSORY PROPERTIES	RELEASABLE TCA <sup>(1)</sup>	ISO 20752	≤ 1.5 ng/L	N.A.
DIMENSIONAL PROPERTIES	LENGTH (STANDARD)	ISO 9727-1; ISO 2859; ISO 16420	39 / 44 +/- 0.5 mm	4.0
	DIAMETER (STANDARD)	ISO 9727-1; ISO 2859; ISO 16420	23.5 +/- 0.3 mm	1.5
PHYSICAL PROPERTIES	GRANULE SIZE	Internal	3.0 - 7.0 mm	N.A.
	DENSITY	ISO 9727-1; ISO 2859; ISO 16420	250 - 310 kg/m <sup>3</sup>	4.0
	MOISTURE CONTENT	ISO 9727-3; ISO 2859; ISO 16420	< 7.0 %	2.5
	TORSION	NP 2803-6; ISO 2859	≥ 22 daN.cm	N.A.
	EXTRACTION FORCE <sup>(2)</sup>	ISO 9727-5; ISO 2859	15 - 35 daN	N.A.
	OXIDANTS	Internal	N.D.	N.A.

#### AVAILABLE WASHES



Alpha

100% of our natural cork discs undergo the patented INNOCORK® process.  
100% of our granules undergo the Vapex® process.

<sup>(1)</sup> Average value - ISO 20752 | <sup>(2)</sup> Lots > 10,000 corks

N.D. - Not detectable | N.A. - Not applicable | AQL - Acceptable Quality Level

Edition: March 2019





## CS MICRO 1+1

The CS Micro 1+1 closure offers superior mechanical function and consistent sensory performance.

CS Micro 1+1 has a micro-agglomerated body with natural cork discs at each end. Every natural cork disc undergoes the Innocork® process, our patented TCA extraction system.

	TEST	METHOD	SPECIFICATION	AQL
SENSORY PROPERTIES	RELEASABLE TCA <sup>(1)</sup>	ISO 20752	≤ 1.0 ng/L	N.A.
DIMENSIONAL PROPERTIES	LENGTH (STANDARD)	ISO 9727-1; ISO 2859; ISO 16420	39 / 44 +/- 0.5 mm	4.0
	DIAMETER (STANDARD)	ISO 9727-1; ISO 2859; ISO 16420	23.5 +/- 0.3 mm	1.5
PHYSICAL PROPERTIES	GRANULE SIZE	Internal	0.5 - 2.0 mm	N.A.
	DENSITY	ISO 9727-1; ISO 2859; ISO 16420	245 - 305 kg/m <sup>3</sup>	4.0
	MOISTURE CONTENT	ISO 9727-3; ISO 2859; ISO 16420	< 7.0 %	2.5
	TORSION	NP 2803-6; ISO 2859	≥ 22 daN.cm	N.A.
	EXTRACTION FORCE <sup>(2)</sup>	ISO 9727-5; ISO 2859	15 - 35 daN	N.A.
	OXIDANTS	Internal	N.D.	N.A.

### AVAILABLE WASHES



Alpha

100% of our natural cork discs undergo the patented INNOCORK® process.  
100% of our granules undergo the Vapex® process.

<sup>(1)</sup> Average value - ISO 20752 | <sup>(2)</sup> Lots > 10,000 corks

N.D. - Not detectable | N.A. - Not applicable | AQL - Acceptable Quality Level

Edition: March 2019

# CS STANDARD PRODUCTS

## TECHNICAL CORKS



### CS MICRO 0.5-1.0 mm

The CS Micro 0.5-1.0mm closure is the most advanced micro-agglomerated option in our portfolio, offering exemplary sealing capacity and top mechanical performance.

This closure is crafted by molding micro-granules of 0.5 to 1.0mm into an agglomerated cork.

	TEST	METHOD	SPECIFICATION	AQL
SENSORY PROPERTIES	RELEASABLE TCA <sup>(1)</sup>	ISO 20752	≤ 1.0 ng/L	N.A.
DIMENSIONAL PROPERTIES	LENGTH (STANDARD)	ISO 9727-1; ISO 2859; ISO 16420	38 / 44 +/- 0.5 mm	4.0
	DIAMETER (STANDARD)	ISO 9727-1; ISO 2859; ISO 16420	24 +/- 0.3 mm	1.5
PHYSICAL PROPERTIES	GRANULE SIZE	Internal	0.5 - 1.0 mm	N.A.
	DENSITY	ISO 9727-2; ISO 2859; ISO 16420	250 - 300 kg/m <sup>3</sup>	4.0
	MOISTURE CONTENT	ISO 9727-3; ISO 2859; ISO 16420	< 7.0 %	2.5
	TORSION	NP 2803-6; ISO 2859	≥ 22 daN.cm	N.A.
	EXTRACTION FORCE <sup>(2)</sup>	ISO 9727-5; ISO 2859	15 - 35 daN	N.A.
	OXIDANTS	Internal	N.D.	N.A.

AVAILABLE WASHES



Alpha

100% of our granules undergo the *Vapex* process.

<sup>(1)</sup> Average value - ISO 20752 | <sup>(2)</sup> Lots > 10,000 corks

N.D. - Not detectable | N.A. - Not applicable | AQL - Acceptable Quality Level

Edition: March 2019



## CS MICRO 0.5-2.0 mm

The CS Micro 0.5-2.0mm closure offers exemplary sealing capacities, top mechanical function and consistent sensory performance.

Its body is crafted by molding micro-granules of 0.5 to 2.0mm into an agglomerated cork.

	TEST	METHOD	SPECIFICATION	AQL
SENSORY PROPERTIES	RELEASABLE TCA <sup>(1)</sup>	ISO 20752	≤ 1.0 ng/L	N.A.
DIMENSIONAL PROPERTIES	LENGTH (STANDARD)	ISO 9727-1; ISO 2859; ISO 16420	38 / 44 +/- 0.5 mm	4.0
	DIAMETER (STANDARD)	ISO 9727-1; ISO 2859; ISO 16420	24 +/- 0.3 mm	1.5
PHYSICAL PROPERTIES	GRANULE SIZE	Internal	0.5 - 2.0 mm	N.A.
	DENSITY	ISO 9727-2; ISO 2859; ISO 16420	245 - 305 kg/m <sup>3</sup>	4.0
	MOISTURE CONTENT	ISO 9727-3; ISO 2859; ISO 16420	< 7.0 %	2.5
	TORSION	NP 2803-6; ISO 2859	≥ 22 daN.cm	N.A.
	EXTRACTION FORCE <sup>(2)</sup>	ISO 9727-5; ISO 2859	15 - 35 daN	N.A.
	OXIDANTS	Internal	N.D.	N.A.

### AVAILABLE WASHES



Alpha

100% of our granules undergo the *Vapex* process.

<sup>(1)</sup> Average value - ISO 20752 | <sup>(2)</sup> Lots > 10,000 corks

N.D. - Not detectable | N.A. - Not applicable | AQL - Acceptable Quality Level

# CS STANDARD PRODUCTS


## TECHNICAL CORKS



### CS CUVÉE 0+2


CS Cuvée 0+2 offers superior extraction and compression performance to guarantee the effervescence of the finest Champagne and sparkling wines of the world.

CS Cuvée 0+2 has an agglomerated molded body topped off with two natural cork discs at the end that comes into contact with the wine. Each natural cork disc undergoes the Innocork® process, our patented TCA extraction system, for consistent sensory performance.

	TEST	METHOD	SPECIFICATION	AQL
<b>SENSORY PROPERTIES</b>	<b>RELEASABLE TCA<sup>(1)</sup></b>	ISO 20752	≤ 1.2 ng/L	N.A.
<b>DIMENSIONAL PROPERTIES</b>	<b>LENGTH (STANDARD)</b>	ISO 9727-1; ISO 2859; ISO 4710	<b>48</b> +/- 0.5 mm	<b>4.0</b>
	<b>DIAMETER (STANDARD)</b>	ISO 9727-1; ISO 2859; ISO 4710	<b>29.5 / 30.5 / 31</b> +/- 0.3 mm	<b>1.5</b>
<b>PHYSICAL PROPERTIES</b>	<b>GRANULE SIZE</b>	Internal	<b>3.0 - 7.0 mm</b>	<b>N.A.</b>
	<b>DENSITY</b>	ISO 9727-2; ISO 2859	<b>240 - 300 kg/m³</b>	<b>4.0</b>
	<b>MOISTURE CONTENT</b>	ISO 9727-3; ISO 2859	<b>&lt; 7.0 %</b>	<b>2.5</b>
	<b>TORSION</b>	NP 2803-6; ISO 2859	<b>≥ 40 daN.cm</b>	<b>N.A.</b>
<b>AVAILABLE WASHES</b>				L04

100% of our natural cork discs undergo the patented INNOCORK® process.

100% of our granules undergo the Vapex® process.

 DS100® service is available.

<sup>(1)</sup> Average value - ISO 20752 | <sup>(2)</sup> Lots > 10,000 corks

N.D. - Not detectable | N.A. - Not applicable | AQL - Acceptable Quality Level


Edition: March 2019



## CS CUVÉE O+1

CS Cuvée O+1 is a more economical Champagne and sparkling wine closure that offers superior mechanical function and consistent sensory performance.

CS Cuvée O+1 has an agglomerated molded body with one natural cork disc at the end that comes into contact with the wine. Each natural cork disc for the CS Cuvée O+1 undergoes the Innocork® process, our patented TCA extraction system.

	TEST	METHOD	SPECIFICATION	AQL
<b>SENSORY PROPERTIES</b>	<b>RELEASABLE TCA<sup>(1)</sup></b>	ISO 20752	≤ 1.2 ng/L	N.A.
<b>DIMENSIONAL PROPERTIES</b>	<b>LENGTH (STANDARD)</b>	ISO 9727-1; ISO 2859; ISO 4710	<b>48 +/- 0.5 mm</b>	<b>4.0</b>
	<b>DIAMETER (STANDARD)</b>	ISO 9727-1; ISO 2859; ISO 4710	<b>29.5 / 30.5 +/- 0.3 mm</b>	<b>1.5</b>
<b>PHYSICAL PROPERTIES</b>	<b>GRANULE SIZE</b>	Internal	<b>3.0 - 7.0 mm</b>	<b>N.A.</b>
	<b>DENSITY</b>	ISO 9727-2; ISO 2859	<b>245 - 305 kg/m<sup>3</sup></b>	<b>4.0</b>
	<b>MOISTURE CONTENT</b>	ISO 9727-3; ISO 2859	<b>&lt; 7.0 %</b>	<b>2.5</b>
	<b>TORSION</b>	NP 2803-6; ISO 2859	<b>≥ 40 daN.cm</b>	<b>N.A.</b>
<b>AVAILABLE WASHES</b>				 L04

100% of our natural cork discs undergo the patented INNOCORK® process.

100% of our granules undergo the Vapex® process.

<sup>(1)</sup> Average value - ISO 20752

N.D. - Not detectable | N.A. - Not applicable | AQL - Acceptable Quality Level

# CS STANDARD PRODUCTS


## TECHNICAL CORKS



### CS CUVÉE MICRO

The CS Cuvée Micro cork for Champagne and sparkling wine has a micro-agglomerated molded body made from select micro-granules of 0.5 to 2.0mm.

The CS Cuvée Micro is crafted from cork wood of the highest quality and produced with the most advanced technologies, guaranteeing a consistent cork structure.

	TEST	METHOD	SPECIFICATION	AQL
<b>SENSORY PROPERTIES</b>	<b>RELEASABLE TCA<sup>(1)</sup></b>	ISO 20752	≤ 1.0 ng/L	N.A.
<b>DIMENSIONAL PROPERTIES</b>	<b>LENGTH (STANDARD)</b>	ISO 9727-1; ISO 2859; ISO 4710	<b>48</b> +/- 0.5 mm	<b>4.0</b>
	<b>DIAMETER (STANDARD)</b>	ISO 9727-1; ISO 2859; ISO 4710	<b>29.5 / 30.5</b> +/- 0.3 mm	<b>1.5</b>
<b>PHYSICAL PROPERTIES</b>	<b>GRANULE SIZE</b>	Internal	<b>0.5 - 2.0 mm</b>	<b>N.A.</b>
	<b>DENSITY</b>	ISO 9727-2; ISO 2859	<b>245 - 305 kg/m<sup>3</sup></b>	<b>4.0</b>
	<b>MOISTURE CONTENT</b>	ISO 9727-3; ISO 2859	<b>&lt; 7.0 %</b>	<b>2.5</b>
	<b>TORSION</b>	NP 2803-6; ISO 2859	<b>≥ 40 daN.cm</b>	<b>N.A.</b>
<b>AVAILABLE WASHES</b>				 L04

100% of our granules undergo the *Vapex*® process.

<sup>(1)</sup> Average value - ISO 20752

N.D. - Not detectable | N.A. - Not applicable | AQL - Acceptable Quality Level

Edition: March 2019



## CS CUVÉE AGGLOMERATED

The CS Cuvée Agglomerated cork is a Champagne and sparkling wine closure that offers consistent mechanical function and sensory performance.

The CS Cuvée Agglomerated has an agglomerated molded body made from select granules of 3.0 to 7.0mm.

	TEST	METHOD	SPECIFICATION	AQL
SENSORY PROPERTIES	RELEASABLE TCA <sup>(1)</sup>	ISO 20752	≤ 2.0 ng/L	N.A.
DIMENSIONAL PROPERTIES	LENGTH (STANDARD)	ISO 9727-1; ISO 2859; ISO 4710	48 +/- 0.5 mm	4.0
	DIAMETER (STANDARD)	ISO 9727-1; ISO 2859; ISO 4710	30.5 +/- 0.3 mm	1.5
PHYSICAL PROPERTIES	GRANULE SIZE	Internal	3.0 - 7.0 mm	N.A.
	DENSITY	ISO 9727-2; ISO 2859	250 - 310 kg/m <sup>3</sup>	4.0
	MOISTURE CONTENT	ISO 9727-3; ISO 2859	< 7.0 %	2.5
	TORSION	NP 2803-6; ISO 2859	≥ 40 daN.cm	N.A.
AVAILABLE WASHES				 L04

100% of our granules undergo the *Vapex*® process.

<sup>(1)</sup> Average value - ISO 20752

N.D. - Not detectable | N.A. - Not applicable | AQL - Acceptable Quality Level





# 02. OUR PRODUCT LINES

## TALIS BARTOPS

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**TALIS**  
CORK  
SUPPLY

# BARTOPS

## FOR PREMIUM WINES AND SPIRITS



### TALIS

#### NATURAL AND MICRO-AGGLOMERATED CORKS

With Talis, we meet a longstanding market need: a premium, high performing bartop for luxury wines and spirits.

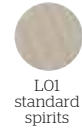
The high quality cork stoppers in combination with the highest quality materials used to produce the bartop, allow us to offer a premium product with the best mechanical and sensory performance in the marketplace.

Talis means greatness and excellence, values that are visible throughout our production chain.

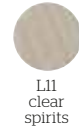
		TEST	METHOD	SPECIFICATION		AQL
				NATURAL	MICRO-AGGLOMERATED	
SENSORY PROPERTIES	CORK SHANK	RELEASABLE TCA <sup>(1)</sup>	ISO 20752	≤ 15 ng/L	≤ 10 ng/L	N.A.
		SENSORY ANALYSIS	Internal	Neutral	Neutral	15
DIMENSIONAL PROPERTIES	CORK SHANK	LENGTH (STANDARD)	ISO 9727-1; ISO 2859	By order +/- 0.5 mm	By order +/- 0.5 mm	2.5
		DIAMETER (STANDARD)	ISO 9727-1; ISO 2859	By order +/- 0.3 mm	By order +/- 0.3 mm	2.5
		OVALITY	ISO 9727-1; ISO 2859	≤ 0.5 mm	≤ 0.5 mm	2.5
	TOP	EXTERNAL DIAMETER	ISO 2859	By order +/- 0.4 mm	By order +/- 0.4 mm	1.5
		INTERNAL DIAMETER	ISO 2859	By order +/- 0.4 mm	By order +/- 0.4 mm	1.5
		HEIGHT	ISO 2859	By order +/- 0.4 mm	By order +/- 0.4 mm	1.5
		INTERNAL DIAMETER DEPTH	ISO 2859	By order +/- 0.4 mm	By order +/- 0.4 mm	1.5
PHYSICAL PROPERTIES	CORK SHANK	VISUAL GRADE	Internal	According to reference +/- 5%	-	N.A.
		GRANULE SIZE	Internal	-	0.5 - 2.0 mm	N.A.
		DENSITY	ISO 9727-2; ISO 2859	-	255 - 315 kg/m <sup>3</sup>	4.0
		MOISTURE CONTENT	ISO 9727-3; ISO 2859	6.0 +/- 2.0 %	6.0 +/- 2.0 %+	2.5
		OXIDANTS	Internal	N.D.	N.D.	N.A.
		CAPILLARITY	Internal	≤ 2.0 mm	≤ 2.0 mm	N.A.

## WASHES AVAILABLE | CORK

NATURAL / MICRO-AGGLOMERATED



L01  
standard  
spirits



L11  
clear  
spirits

## AVAILABLE MATERIALS | TOP

## FINISHING

## CUSTOMIZATION

WOOD



Natural  
Matte Varnish  
Gloss Varnish  
Colors

Thermal Engraving  
Printing  
Fire Branding  
Laser Branding  
Embossing & Debossing

METAL



Shiny  
Brushed Metal  
Oxidized

Laser Branding  
Embossing and Debossing  
Polishing

PLASTIC



Anti-Shock  
Shiny  
Metallic

Thermal Engraving  
Printing  
Embossing and Debossing

GLASS & CRYSTAL



Natural  
Colors

CORK



Impression  
Fire marking  
Laser marking

Bartops tailored to the dimensions of each bottle neck.

100% of our natural corks undergo the patented INNOCORK® process.

 DS100 service available for natural corks.

100% of our granules undergo the Vapex® process.

<sup>(1)</sup> Average value - ISO 20752

N.D. - Not detectable | N.A. - Not applicable | AQL - Acceptable Quality Level



# BOTTLE BUY BACK

— GUARANTEE —

As a part of our commitment to our clients, we are the first company in the industry to institute a "Bottle Buy Back" guarantee. If you receive a cork taint claim on any bottle sealed with our DS100, DS100+ or VINC corks, we will buy the bottle back.

# 02. OUR PRODUCT LINES

## INDIVIDUALLY GUARANTEED PRODUCTS

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# INDIVIDUALLY GUARANTEED PRODUCTS



- **Since 2011 - first product free of releasable TCA in the industry**
- **Corks free of releasable TCA <sup>(1)</sup> and other off-aromas**
- **Sensory analysis carried out by trained specialists**
- **100% of corks in a lot inspected**

The **DS100** natural cork was the first product with a total sensory guarantee in the industry.

**DS100** consists of a non-destructive and non-invasive analysis that is carried out by a panel of trained sensory specialists. The panel analyze 100% of the corks in a lot and reject any cork with a sensory deviation due to TCA or other off-aromas.

After the corks have been in a controlled environment for 24 hours, the corks are analyzed sequentially by two different trained sensory specialists. Should one of the panelists detect TCA or another off-aroma in any single cork, the cork is rejected and removed from the lot.

## DS100 PRODUCT LINE:



**NATURAL CORK**



**CUVÉE O+2**



**TALIS BARTOPS**



If you receive a cork taint claim on any bottle sealed with our DS100 corks, we will buy the bottle back at the retail release price. <sup>(2)(3)</sup>

<sup>(1)</sup> TCA  $\leq$  1.0 ng/L

<sup>(2)</sup> Our laboratory will test both the wine and the cork to determine if TCA is present and at what level, if we find the bottle to have TCA present at greater than 1.0 ng/L. Cork Supply will reimburse the winery for retail release price of the wine.

<sup>(3)</sup> A detailed DS100 certificate is available.

# INDIVIDUALLY GUARANTEED PRODUCTS



## DS100 NATURAL CORK



### SENSORY PROPERTIES

**Releasable TCA<sup>(1)</sup> - Not quantifiable**

**100% sensory inspected corks**

### DIMENSIONAL PROPERTIES

**Length (standard): 38 / 45 / 49 / 54 mm (+/- 0.7) | AQL - 4.0** (ISO 9727-1; ISO 2859; ISO 16420)

**Diameter (standard): 24 mm (+/- 0.4) | AQL - 1.5** (ISO 9727-1; ISO 2859; ISO 16420)

### PHYSICAL PROPERTIES

**Moisture content: 5.0 - 7.6% | AQL - 4.0** (ISO 9727-3; ISO 2859; ISO 16420)

**Extraction force<sup>(2)(3)</sup>: 15 - 35 daN | AQL - N.A.** (ISO 9727)

**Oxidants: N.D. | AQL - N.A.** (Internal Method)

### AVAILABLE WASHES



Alpha

Alpha B

Natura

100% of our natural corks undergo the patented INNOCORK<sup>®</sup> process.

<sup>(1)</sup> Quantification limit 1.0 ng/L | <sup>(2)</sup> Lots > 10,000 corks | <sup>(3)</sup> Adjusted to cork dimension  
N.D. - Not detectable | N.A. - Not applicable | AQL - Acceptable Quality Level

Edition: March 2019





## DS100 CUVÉE 0+2



### SENSORY PROPERTIES

**Releasable TCA<sup>(1)</sup> - Not quantifiable**

**100% sensory inspected corks**

### DIMENSIONAL PROPERTIES

**Length (standard): 48 mm (+/- 0.5) | AQL - 4.0** (ISO 9727-1; ISO 2859; ISO 4710)

**Diameter (standard): 29.5 / 30.5 / 31 mm (+/- 0.3) | AQL - 1.5** (ISO 9727-1; ISO 2859; ISO 4710)

### PHYSICAL PROPERTIES

**Granule Size: 3.0 - 7.0 mm | AQL - N.A.** (Internal Method)

**Density: 240 - 300 kg/m<sup>3</sup> | AQL - 4.0** (ISO 9727-2; ISO 2859)

**Moisture content: < 7.0% | AQL - 2.5** (ISO 9727-3; ISO 2859)

**Torsion: ≥ 40 daN.cm | AQL - N.A.** (NP 2803-6; ISO 2859)

### AVAILABLE WASHES



L04

100% of our natural cork discs undergo the patented INNO<sup>C</sup>CORK<sup>®</sup> process.

100% of our granules undergo the *Vapex*<sup>®</sup> process.

<sup>(1)</sup> Quantification limit 1.0 ng/L

N.D. - Not detectable | N.A. - Not applicable | AQL - Acceptable Quality Level

# INDIVIDUALLY GUARANTEED PRODUCTS



## DS100 TALIS BARTOPS

NATURAL CORK SHANK

### SENSORY PROPERTIES

**Releasable TCA<sup>(1)</sup> - Not quantifiable**

**100% sensory inspected corks**

### DIMENSIONAL PROPERTIES | CORK SHANK

**Length (standard):** by order (+/- 0.5 mm) | **AQL - 2.5** (ISO 9727-1; ISO 2859)

**Diameter (standard):** by order (+/- 0.3 mm) | **AQL - 2.5** (ISO 9727-1; ISO 2859)

**Ovality:** ≤ 0.5 mm | **AQL - 2.5** (ISO 9727-1; ISO 2859)

### PHYSICAL PROPERTIES | CORK SHANK

**Visual grade:** according to reference +/- 5% | **AQL - N.A.** (Internal Method)

**Moisture content:** 6.0 +/- 2.0 % | **AQL - 2.5** (ISO 9727-3; ISO 2859)

**Oxidants:** N.D. | **AQL - N.A.** (Internal Method)

**Capillarity:** ≤ 2.0 mm | **AQL - N.A.** (Internal Method)

### PHYSICAL PROPERTIES | TOP

**External diameter:** by order (+/- 0.4 mm) | **AQL - 1.5** (ISO 2859)

**Internal diameter:** by order (+/- 0.4 mm) | **AQL - 1.5** (ISO 2859)

**Height:** by order (+/- 0.4 mm) | **AQL - 1.5** (ISO 2859)

**Internal diameter depth:** by order (+/- 0.4 mm) | **AQL - 1.5** (ISO 2859)

### AVAILABLE WASHES



L01

standard spirits



L11

clear spirits

100% of our natural corks undergo the patented INNOCORK® process.

<sup>(1)</sup> Quantification limit 1.0 ng/L

N.D. - Not detectable | N.A. - Not applicable | AQL - Acceptable Quality Level

Edition: March 2019

Bartops tailored to the  
dimensions of each bottle neck;

For more information, please  
consult the Talis® catalog.



# DSIOG+



CORK  
SUPPLY

# INDIVIDUALLY GUARANTEED PRODUCTS

## DS100+

- **100% TCA taint-free corks** <sup>(1)</sup>
- **Fast and automated TCA detection**
- **100 % corks inspected**
- **Currently only available for select orders / products**

With the success of DS100, we challenged ourselves to develop a technology that could automatically detect TCA in natural corks. A technology that could increase production capacity for individually guaranteed TCA Taint-Free <sup>(1)</sup> corks, while maintaining the non-destructive and non-invasive principles developed in our DS100 process.

The DS100+ technology guarantees that each individual cork in a lot is 100% TCA Taint-Free <sup>(1)</sup> by rejecting any cork that has TCA levels above the sensory threshold <sup>(1)</sup>. The DS100+ technology guarantees an efficient screening of 100% of the corks in a lot, while resulting in a competitively priced natural cork for the market.

### DS100+ PRODUCT LINE:



**NATURAL CORK**



If you receive a cork taint claim on any bottle sealed with our DS100+ corks, we will buy the bottle back at the retail release price. <sup>(2)(3)</sup>

<sup>(1)</sup> TCA  $\leq$  1.0 ng/L

<sup>(2)</sup> Our laboratory will test both the wine and the cork to determine if TCA is present and at what level. If we find the bottle to have TCA present at greater than 1.0 ng/L, Cork Supply will reimburse the winery for retail release price of the wine.

<sup>(3)</sup> A detailed DS100+ certificate is available.

# INDIVIDUALLY GUARANTEED PRODUCTS



## DS100+ NATURAL CORK



### SENSORY PROPERTIES

**Releasable TCA<sup>(1)</sup> - Not quantifiable**

### DIMENSIONAL PROPERTIES

**Length (standard): 45 / 49 mm (+/- 0.7) | AQL - 4.0** (ISO 9727; ISO 2859; ISO 16420)

**Diameter (standard): 24 mm (+/- 0.4) | AQL - 1.5** (ISO 9727; ISO 2859; ISO 16420)

### PHYSICAL PROPERTIES

**Moisture content: 5.0 - 7.6% | AQL - 4.0** (ISO 9727-3; ISO 2859; ISO 16420)

**Extraction force<sup>(2)(3)</sup>: 15 - 35 daN | AQL - N.A.** (ISO 9727)

**Oxidants: N.D. | AQL - N.A.** (Internal Method)

### AVAILABLE WASHES



Alpha



Natura

100% of our natural corks undergo the patented INNOCORK<sup>®</sup> process.

<sup>(1)</sup> Quantification limit 1.0 ng/L | <sup>(2)</sup> Lots > 10,000 corks | <sup>(3)</sup> Adjusted to cork dimension  
N.D. - Not detectable | N.A. - Not applicable | AQL - Acceptable Quality Level

Edition: March 2019



Naturally Created,  
Technically Perfected.



vinc

A new line of guaranteed TCA taint free corks \*

\*Please see website or Technical Product Specification sheets for details.



# INDIVIDUALLY GUARANTEED PRODUCTS



- **> 75 % cork;**
- **Individually guaranteed TCA less than or equal to 0.5 ng/L;**
- **Sensory neutrality;**
- **Homogeneous performance;**
- **Rebound and elastic properties - exemplary sealing capacity;**
- **Superior bottling performance (including high-speed bottling lines);**
- **Bottle Buy Back Guarantee offered.**

VINC is a line of TCA taint free <sup>(1)</sup> micro-agglomerated corks that are produced exclusively from 100% Cork Supply controlled raw material and state-of-the-art individual molding technologies. The VINC product line is also a result of the new, improved VAPEX<sup>®</sup> disinfection process. VAPEX<sup>®</sup> is a batch disinfection process that reduces TCA on cork granules through effective mass and heat transfer.

A natural choice for those who prefer technical.

## VINC PRODUCT LINE:



VINC



VINC+



VINC CUVÉE



If you receive a cork taint claim on any bottle sealed with our VINC corks, we will buy the bottle back at the retail release price. <sup>(2)</sup>

<sup>(1)</sup> Below 0.5 ng/L with AQL 0.65 between 0.5-1.0 ng/L

<sup>(2)</sup> Our laboratory will test both the wine and the cork to determine if TCA is present and at what level, if we find the bottle to have TCA present at greater than 0.5 ng/L, Cork Supply will reimburse the winery for retail release price of the wine.

# INDIVIDUALLY GUARANTEED PRODUCTS



## VINC

- Recommended for still wines with a shelf-life of up to 3 years



### SENSORY PROPERTIES

**Releasable TCA - TCA Taint Free** <sup>(1)</sup> (ISO 20752)

### DIMENSIONAL PROPERTIES

**Length (standard):** 44 mm (+/- 0.5) | **AQL - 4.0** (ISO 9727-1; ISO 2859; ISO 16420)

**Diameter (standard):** 24 mm (+/- 0.3) | **AQL - 1.5** (ISO 9727-1; ISO 2859; ISO 16420)

### PHYSICAL PROPERTIES

**Granule size:** 0.5 - 2.0 mm | **AQL - N.A.** (Internal Method)

**Density:** 245 - 305 kg/m<sup>3</sup> | **AQL - 4.0** (ISO 9727-2; ISO 2859; ISO 16420)

**Moisture content:** < 7.0% | **AQL - 2.5** (ISO 9727-3; ISO 2859; ISO 16420)

**Torsion:** ≥22 daN.cm | **AQL - N.A.** (NP 2803-6; ISO 2859)

**Extraction force** <sup>(2)</sup>: 15 - 35 daN | **AQL - N.A.** (ISO 9727-5; ISO 2859)

**Oxidants:** : N.D. | **AQL - N.A.** (Internal Method)

**OTR** <sup>(3)</sup> - 0.0020 ml/day

### AVAILABLE WASHES AND CUSTOMIZATION



Printing to simulate natural cork features is available.

L02

100% of our granules undergo the *Vapex*<sup>®</sup> process.

<sup>(1)</sup> Below 0.5 ng/L with AQL 0.65 between 0.5-1.0 ng/L | <sup>(2)</sup> Lots > 10,000 corks | <sup>(3)</sup> Oxygen transfer rate

N.D. - Not detectable | N.A. - Not applicable | AQL - Acceptable Quality Level

Edition: March 2019



## VINC+

- Recommended for still wines with a shelf-life of up to 5 years



### SENSORY PROPERTIES

**Releasable TCA - TCA Taint Free** <sup>(1)</sup> (ISO 20752)

### DIMENSIONAL PROPERTIES

**Length (standard):** 44 / 49 / 54 mm (+/- 0.5) | **AQL - 4.0** (ISO 9727-1; ISO 2859; ISO 16420)

**Diameter (standard):** 24 mm (+/- 0.3) | **AQL - 1.5** (ISO 9727-1; ISO 2859; ISO 16420)

### PHYSICAL PROPERTIES

**Granule size:** 0.5 - 1.0 mm | **AQL - N.A.** (Internal Method)

**Density:** 250 - 300 kg/m<sup>3</sup> | **AQL - 4.0** (ISO 9727-2; ISO 2859; ISO 16420)

**Moisture content:** < 7.0% | **AQL - 2.5** (ISO 9727-3; ISO 2859; ISO 16420)

**Torsion:** ≥ 22 daN.cm | **AQL - N.A.** (NP 2803-6; ISO 2859)

**Extraction force** <sup>(2)</sup>: 15 - 35 daN | **AQL - N.A.** (ISO 9727-5; ISO 2859)

**Oxidants:** N.D. | **AQL - N.A.** (Internal Method)

**OTR** <sup>(3)</sup> - 0.0017 ml/day

### AVAILABLE WASHES AND CUSTOMIZATION



Printing to simulate natural cork features is available.

L02

100% of our granules undergo the *Vapex*<sup>®</sup> process.

<sup>(1)</sup> Below 0.5 ng/L with AQL 0.65 between 0.5-1.0 ng/L | <sup>(2)</sup> Lots > 10,000 corks | <sup>(3)</sup> Oxygen transfer rate  
N.D. - Not detectable | N.A. - Not applicable | AQL - Acceptable Quality Level

Edition: March 2019

# INDIVIDUALLY GUARANTEED PRODUCTS



## VINC CUVÉE

- Superior gas retention performance



### SENSORY PROPERTIES

**Releasable TCA - TCA Taint Free**<sup>(1)</sup> (ISO 20752)

### DIMENSIONAL PROPERTIES

**Length (standard):** 48 mm (+/- 0.5) | **AQL - 4.0** (ISO 9727-1; ISO 2859; ISO 16420)

**Diameter (standard):** 30.5 mm (+/- 0.3) | **AQL - 1.5** (ISO 9727-1; ISO 2859; ISO 16420)

### PHYSICAL PROPERTIES

**Granule size:** 0.5 - 2.0 mm | **AQL - N.A.** (Internal Method)

**Density:** 245 - 305 kg/m<sup>3</sup> | **AQL - 4.0** (ISO 9727-2; ISO 2859)

**Moisture content:** < 7.0% | **AQL - 2.5** (ISO 9727-3; ISO 2859)

**Torsion:** ≥ 40 daN.cm | **AQL - N.A.** (NP 2803-6; ISO 2859)

### AVAILABLE WASHES



L04

100% of our granules undergo the *Vapex*<sup>®</sup> process.

<sup>(1)</sup> Below 0.5 ng/L with AQL 0.65 between 0.5-1.0 ng/L

N.A. - Not applicable | AQL - Acceptable Quality Level

Edition: March 2019





# 03. OUR BRANDS

## GROUP PORTFOLIO

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# 03.

## GROUP PORTFOLIO

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Today the Group has production and sales operations on six different continents. The Group's success as a natural cork stopper supplier has led to greater diversification in response to a variety of customer needs within the global wine industry. Today, the Group is proud to present the following brands:



### TONNELLERIE Ô

Premium French and American Oak Barrels, California, USA

[www.tonnellerieo.com](http://www.tonnellerieo.com)



### CREATIVE OAK

### CREATIVE OAK

Oak Alternatives, California, USA

[www.creativeoak.com](http://www.creativeoak.com)



### STUDIO LABELS

### STUDIO LABELS

Label Printing Company, Australia

[www.studiolabels.com](http://www.studiolabels.com)





