



FEDERFIN TECH S.R.L.
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TECHNICAL SPECIFICATION

CODE : **ENG_32_1**

TYPE OF CAP : ***CAP TYPE 30x60 FOR STILL WINE***

1- GENERAL SPECIFICATON			
PACKAGING		PACKAGING DETAIL	
Quantity per Box	1250/1300 pcs	Type of Pallet	100x120 - 100x120 INKA - 80x120 cm
Box Dimension	59x38x38 cm	N boxes per pallet	25 – 30 (see note 1-2)
		Max Pallet High	210 – 240 cm (see note 1-2)
Type ad Cardboard	Triple corrugated Cardboard	Packaging	External wrapping with extensible film and angular protection
Internal Protection	Transparent non-toxic PE bag	Identification	Identification Label on Boxes
		NOTE	1- Max boxes on truck or 20-40" container 2- Max boxes on 40" HC container

2- SPECIFICATION - DIMENSIONS - APPLICATION	
2.1- GENERAL DIMENSION	
Caps Diameters	See attached Tech Drawing (SECTION 4)
Caps High	See attached Tech Drawing
2.2- DECORATION POSSIBILITY	
Top lithography	YES
Side lithography	YES
Side Decoration	Off Set, Silk Screen, Hot foil
Top Decoration	Pad Printing (OPTION)
Relief	YES (OPTION)
Others	Spray Special Effect Color (Option)
NOTE	All decoration on Customer Artwork subjected to prior Federfintech approval
2.3- APPLICATION	
Type of neck finish	Suggested neck finish as per attached datasheet others neck finish subject to Federfintech approval (CE.T.I.E. GME 30.13)
Slip Torque	4 - 20 Lbs/In 4.6 – 23 Kgf/cm
Opening Torque	6 - 25 Lbs/In 6.91 – 28.8 Kgf/cm
Spinning	Opening + 4 index
Vertical Head Load	180 +/- 15% Kgf
Side Load	8/12 Kgf



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Thread Rolled Radius	0.8 mm (two rollers)
Took Under Roller Radius	0.9 mm (two Rollers)
Pressure Block Diameter	27.5x1.5-1.8 mm
NOTE	These are our suggested apply condition, customer may have different condition that in any case are suitable for the caps.

3- CONFORMITY DECLARATION, COMPLIANCE MATERIALS

3.1- FEDERFINTECH DECLARATION

Contact with Foodstuff (Section 3.1.1)	<p>(the notes and/or simulants used for the migration tests, specified in Section, of this certificate, allow to determine the foodstuff or group of foodstuff admitted to the contact in compliance with Directive 85/572/EC made part of the Italian Ministerial Decree of April 26, 1993, n. 220 and subsequent amendments and up-dating) and found to comply with the following EC regulations :</p> <ul style="list-style-type: none"> - Regulation EC 10/2011 of 14/01/2011 Regulation EC N° 178/2002 - Regulation 1935/2004/EC Regulation EC N° 852/2004 - Regulation 2023/2006/EC Regulation EC N° 95/2001 - Regulation 1895/2005/EC Regulation EC N° 1907/2006 - Regulation 282/2008 - Regulation UE VO(EG) 10/2011/IV - Directive 2002/72/CE and subsequent up-dating and amendments - Directive 94/62 <p>and with the following Italian regulations:</p> <ul style="list-style-type: none"> - Ministerial Decree 21/03/1973 and subsequent up-dating and amendments - DPR 777/82 and subsequent up-dating and amendments. - It is produced in Italy
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Test Simulant Substances	ETHILIC ALCOOL 50% v/v , RETIFIED OLIVE OIL , ACETIC ACID 3% 10 days at 40° C for prolonged contact
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NOTE	<ol style="list-style-type: none"> 1. The limit of global migration together with the other specific restrictions the monomers and/or the additives included in the material are subject thereto, is respected under the conditions of use above mentioned. This statement is supported by analytical tests carried out in compliance with Directives 82/711/EEC and 85/572/EEC and the Italian Ministerial Decree dated 21 March 1973. 2. The user of the product meant to be in contact with foodstuff shall communicate to the underwriting company any restrictions on the basis of the composition features (presence of any additive and aroma) of the food to be packaged. 3. This certificate is executed in compliance with Section 16 of the Framework Regulation of the European Community 1935/2004/CE and it is addressed to: <p>.....</p>
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	<p>4. The use for industrial or commercial purposes of the product specified in this certificate is subject to the inspection of its conformity to the current legislation as well as of the technological suitability for use.</p> <p>5. This certificate shall come into effect as of the date below. It will be replaced either in case of major changes in material processing able to modify any requirements of fundamental importance for conformity purposes, or in case the regulations set forth in Section 1) are so amended or up-dated that a new inspection of conformity is required.</p>
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3.2- INK CONFORMITY

General Indication	<p>Ink conformity is guaranteed. Ink involved in the processing of caps screen printing is prepared with organic pigments, natural resins, coal, vegetal oils and natural additives, in compliance with the provisions set forth in the Dangerous Substances Regulations. It is free from heavy metals, antimony, arsenic, cadmium, chromium, mercury, selenium, PCB, PCT dioxin or other similar substances.</p> <p>Besides we declare that our varnishes do not contain any trace of “Benzofenone e 4-Metil Benzofenone”.</p> <p>Our Supplier supply to us Conformity Declaration for their product, (regarding the volatile substances), list of compliance as per section 2</p>
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Internal Varnish Type	Epoxy Phenolic Varnish BPA FREE
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External Varnish Type	Vinylic/Acrylic Varnish – Polyester Enamel Vinylic Varnish
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Ink	Polyester
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Ink Compliance (Section 3.2.2)	<ul style="list-style-type: none"> • Regolamento (CE) N. 1935/2004 • Regolamento (CE) N. 1895/2005 • Commission Regulation (EC) N. 2023/2006 (GMP) • US FDA Code of Federal Regulations Title 21 subpart 175.300 “Resinous and polymeric coatings” and FDA 21 CFR 176.180 – 175.105 – 177.2420 • CEPE Code of Practice, Framework Resolution ResAP(2004)1 “on coatings intended to come into contact with foodstuffs” Version 3, 12 February 2009. Resolution ResAP(92) • Directive 94/62/EC e CONEG Regulation
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3.3- LINERS DECLARATION

Linners used (Internal Code)	SARANEX	GSA30X20N
	TINFOIL	GTI30X20N

Linners Compliance	<ul style="list-style-type: none"> • Commission Directive 2002/72/EC relating to plastics materials and articles intended to come into contact with foodstuffs as amended (2004/1/EC, 2004/19/EC, 2005/79/EC, 2007/19/EC, 2008/39/EC). • Commission Directive 2002/16/EC on the use of certain epoxy derivatives in materials and articles intended to come into contact with foodstuffs as amended (RL 2004/13/EC, Reg. (EG) 1895/2005). • Commission Regulation (EC) No 372/2007 laying down transitional migration limits for plasticisers in gaskets in lids intended to come into contact with foods • CFR 21, § 177.1210 - „Closures with sealing gaskets for food containers', and §177.1520 „Olefin polymers", Food and Drug Administration (FDA), USA.
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- Monography 3.1.3., "Polyolefine ", of the European Pharmacopoeae
- Recommendation No III "Polyethylene" and No. XXXIV "Vinylidene Chloride Copolymers with a Predominant Content of Polyvinylidene Chloride" of the BfR (Federal Institute for Risk Assessment) on Plastics Intended to Come into Contact with Food', Germany.
- Commission Directive 2002/72/EC relating to plastics materials and articles intended to come into contact with foodstuffs as amended (2004/1/EC, 2004/19/EC, 2005/79/EC, 2007/19/EC, 2008/39/EC).
- Commission Directive 2002/16/EC on the use of certain epoxy derivatives in materials and articles intended to come into contact with foodstuffs as amended (RL 2004/13/EC, Reg. (EG) 1895/2005)
- Commission Regulation (EC) No 372/2007 laying down transitional migration limits for plasticisers in gaskets in lids intended to come into contact with foods
- CFR 21, § 177.1350 „Ethylene-vinyl acetate copolymers“, § 1520 „Olefin polymers" and § 178.3297 „Colorants for polymers“, Food and Drug Administration (FDA), USA.

3.4- ALUMINUM

Alloy	8011	Thickness	0.22 +/- 0.01 mm
State (Grade)	H14		
Specific weight Kg / dm³	2.7 Kg		
Crack point RmN / mm²	150/190		
Yield point Rp02	120/160		

CHEMICAL COMPOSITION

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others (c/u)	Others (Total)	Al
0.5-0.9	0.6-1.0	0.1	0.2	0.05	0.1	0.1	0.08	0.05	0.15	

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|-------------------|---|
| Compliance | <ul style="list-style-type: none"> • European Standards EM 573-3, "Aluminium and aluminium alloys - Chemical composition and form of wrought products - Part 3 • EN 602, "Aluminium and aluminium wrought alloys, Chemical composition of alloys for the manufacture of products coming into contact with food" from July 2004 • CONEG model regulation in force in some US states and the European Directives 94/62/EC resp. EN 14287 (Packaging and Packaging Waste) from September 2004 • 1935/2004/EC (Materials and articles intended to come into contact with food) • 2023/2006/EC (good manufacturing practice), 1223/2009/EC (Cosmetic products) <p>Arrêté du 27.08.1987 and Note 2004-64 de la DGCCRF</p> |
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4- DRAWINGS

