NARSU İÇECEK SAN. A.Ş.
(Muhtaroğlu Holding Company)

Ereğli Organize Sanayi Bölgesi
Kargacı Mah.5.Cad.No.4/1
Ereğli/Konya
TEL : +90 332 712 65 65 - 67 - 69
E-POSTA : info@muhtarogluholding.com

PRODUCT SPECIFICATION
CLEAR LEMON JUICE CONCENTRATE

GENERAL DESCRIPTION:

Concentrated clear Lemon juice is made from Citrus. The product is produced according to the current EU regulations. Preservatives or other foreign additives which are not permitted aren't used. The product meets international physical, chemical and microbiological standards of AIJN and the additional specifications that exist below.
The product is prepared in accordance with the "General Principles of Food Hygiene" recommended by the Codex Alimentarus Commission.
Pesticides residues / Heavy Metals / Mycotoxins / Contaminants: In conformance with current EU directives and AIJN Code of Practice.
The product does not contain allergens subject to labelling according to Regulation (EU) No 1169/2011 of the Euro pean Parliamentand of the Council.

Ingredients: Lemon

PHYSICAL / CHEMICAL& SENSORY SPECIFICATIONS:

Sensorical: This product has the characteristic appearance, aroma and clean taste of Lemon juice. The productdoesn't have signs of over-heating, fermented or any other off-tastes and off-flavours. It is free of any foreign matters. The product does not contain core, seed and shell fragments.
Colour: Typical of Lemon Citrus. without browning or darkening.

Parameter	**Specification**		**Method**
	Min.	**Max.**	
Brix (Refractometric, 20°C)	40	45	IFU Nr1
Total Acidity, as citric acid, w/w,%	18	32	IFU Nr.3
pH	1,8	2,6	
Color	35		%T at 440 nm /11,2 Brix
Clarity	90		%T at 625 nm /11,2 Brix
Turbidity(11,2 Brix, NTU)		20	IFU Recommendation 7
HMF (mg/kg)		20	At 7 Brix
Arsenic (mg/kg)	-	0.05	IFU REC 06
Lead (mg/kg)	-	0.03	IFU REC 06
Mercury (mg/kg)	-	0.01	IFU REC 06
Cadmium (mg/kg)	-	0.05	IFU REC 06

Prepared By : Food Safety Team Leader	**Issued by: General Manager**

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PRODUCT SPECIFICATION
CLEAR LEMON JUICE CONCENTRATE

MICROBIOLOGICAL SPECIFICATIONS

Parameter	**Specification**		**Method**
	Min.	**Max.**	
Mesophilic Aerobic Bacteria (cfu/g)	-	<1000	
Yeast &Mold (cfu/g)	-	<500	
Heat Resistant Mold Spores:	-	ND in 25ml.	IFU Microbiological Method 4
Coliform:	-	Absent/1g	
E.coli :		Absent/1g	
Thermophilic Acidophilic Bacteria:	-	Absent/1g	
Pathogenic microorganisms:	-	Absent/1g	
Salmonella :		Absent/10g	
Staphylococcusaureus :		Absent/1g	
Listeriamonocytogenes :		Absent/10g	

SHELF LIFE:
The shelf life is 24 months, at the 0-+4°Cstorage conditions.

STORAGE & SHIPPING CONDITIONS:

The product is stored at 0-+4°C during all stages of storage and shipping.
Each container includes not more than 2 batches unless previously agreed upon.

PACKAGING:

The product is **non aseptically filled** and packed in new metal drums. The metal drums is open-head drums with lids, and all of the uniform height and weight (± 1.0 kg) in the same shipment. The drums is in good condition and without rust or peeling inside or outside.
Aseptic package is used as the inner packaging for contact with the product.
The packaging materials comply with the requirements of the relevant version of the concerned EU regulation and its implementation measures.

WEIGHT:

The weight is consistent at 225/240 kg for all the packages in the same shipment, deviation is ± 0.5% of the declared weight.

Prepared By : Food Safety Team Leader	**Issued by: General Manager**

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PRODUCT SPECIFICATION
CLEAR LEMON JUICE CONCENTRATE

LABELLING:

Each package is clearly labelled in Turkish or English with the following information;
-Seller Name
-Product Name
-Net Weight
-Batch No/Party No
-Brix
-Country of Origin
-Storage Temperature
-Production Date
-Expiry Date
-Packaging No
-Seller Adress and Contact No

The labelling comply with the requirements of the relevant version of the concerned EU regulation and its implementation measures.
For HALAL and KOSHER, the drums have logo and/or stamps.

ADDITIONAL INFORMATION:

- GMO free: The product does not contain ingredients that contain GMO or is produced from GMO.
- Pesticide Residue: Theproduct is meets legal limits.
- Heavy Metals: Theproduct is meets legal limits.
- Suitable for vegetarians
- No sugar added.
- This concentrated juice is foodgrade.
- FSSC 22000
- Halal Certified
- Kosher Certified – Can also be produced Kosher Passover
- It’s prepared for information purposes.

APPLICATIONS

Fruit preparations, dairy products, ice-creams, sweets, pastries, coatings, jellies, soups, sauces,meat products.

REFERENCE

AIJN standarts (fumaric acid, patulin, sodium, heavymetals)
FDA (Juice Hazard and Control Guidance – Microbiology)
Turkish Food Codex (Regulation on Microbiological Criteria)
Commision Regulation (EC) No 2073/2005 (microbiological criteria for foodstuffs

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PRODUCT SPECIFICATION
CLOUDY LEMON JUICE CONCENTRATE

GENERAL DESCRIPTION:

Concentrated cloudy lemon juice is made from Citrus. The product is produced according to the current EU regulations. Preservatives or other foreign additives which are not permitted aren't used. The product meets international physical, chemical and microbiological standards of AIJN and the additional specifications that exist below.
The product is prepared in accordance with the "General Principles of Food Hygiene" recommended by the Codex Alimentarus Commission.
Pesticides residues / Heavy Metals / Mycotoxins / Contaminants: In conformance with current EU directives and AIJN Code of Practice.
The product does not contain allergens subject to labelling according to Regulation (EU) No 1169/2011 of theEuropean Parliamentand of the Council.

Ingredients: Lemon

PHYSICAL / CHEMICAL& SENSORY SPECIFICATIONS:

Sensorical: This product has the characteristic appearance, aroma and clean taste of lemon juice. The productdoesn't have signs of over-heating, fermented or any other off-tastes and off-flavours. It is free of any foreign matters. The product does not contain core, seed and shell fragments.
Colour: Typical of lemon Citrus. without browning or darkening.

Parameter	**Specification**		**Method**
	Min.	**Max.**	
Brix (Refractometric, 20°C)	40	45	IFU Nr1
Total Acidity, as citric acid, w/w,%	18	32	IFU Nr.3
pH	1,8	2,6	
Pulp %	2,0		
Color L	45		Hunter lab color meter at 7,0 Brix
D/L-Lactic Acid (g/l)	-	0.2	IFU Nr.53
Arsenic (mg/kg)	-	0.05	IFU REC 06
Lead (mg/kg)	-	0.03	IFU REC 06
Mercury (mg/kg)	-	0.01	IFU REC 06
Cadmium (mg/kg)	-	0.05	IFU REC 06

Prepared By : Food Safety Team Leader	**Issued by: General Manager**

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PRODUCT SPECIFICATION
CLOUDY LEMON JUICE CONCENTRATE

MICROBIOLOGICAL SPECIFICATIONS

Parameter	Specification		Method
	Min.	**Max.**	
Mesophilic Aerobic Bacteria (cfu/g)	-	<100	
Yeast &Mold (cfu/g)	-	<10	
Heat Resistant Mold Spores:	-	ND in 25ml.	IFU Microbiological Method 4
Coliform:	-	Absent/1g	
E.coli :		Absent/1g	
Thermophilic Acidophilic Bacteria:	-	Absent/1g	
Pathogenic microorganisms:	-	Absent/1g	
Salmonella :		Absent/10g	
Staphylococcusaureus :		Absent/1g	
Listeriamonocytogenes :		Absent/10g	

SHELF LIFE:
The shelf life is 24 months, at the -18°Cstorage conditions.

STORAGE & SHIPPING CONDITIONS:

The product is stored at -18°C during all stages of storage and shipping.
Each container includes not more than 2 batches unless previously agreed upon.

PACKAGING:

The product is **non aseptically filled** and packed in new metal drums. The metal drums is open-head drums with lids, and all of the uniform height and weight (± 1.0 kg) in the same shipment. The drums is in good condition and without rust or peeling inside or outside.
Aseptic package is used as the inner packaging for contact with the product.
The packaging materials comply with the requirements of the relevant version of the concerned EU regulation and its implementation measures.

WEIGHT:

The weight is consistent at 225-240 kg for all the packages in the same shipment, deviation is ± 0.5% of the declared weight.

Prepared By : Food Safety Team Leader	Issued by: General Manager

PRODUCT SPECIFICATION
CLOUDY LEMON JUICE CONCENTRATE

LABELLING:
Each package is clearly labelled in Turkish or English with the following information;
-Seller Name
-Product Name
-Net Weight
-Batch No/Party No
-Brix
-Country of Origin
-Storage Temperature
-Production Date
-Expiry Date
-Packaging No
-Seller Adress and Contact No

The labelling comply with the requirements of the relevant version of the concerned EU regulation and its implementation measures.
For HALAL and KOSHER, the drums have logo and/or stamps.

ADDITIONAL INFORMATION:

- GMO free: The product does not contain ingredients that contain GMO or is produced from GMO.
- PesticideResidue: Theproduct is meets legal limits.
- HeavyMetals: Theproduct is meets legal limits.
- Suitableforvegetarians
- No sugaradded.
- Thisconcentratedjuice is foodgrade.
- FSSC 22000
- HalalCertified
- KosherCertified – Can also be producedKosherPassover
- It'spreparedforinformationpurposes.

APPLICATIONS
Fruitpreparations, dairyproducts, ice-creams, sweets, pastries, coatings, jellies, soups, sauces,meatproducts.

REFERENCE
AIJN standarts (fumaricacid, patulin, sodium, heavymetals)
FDA (JuiceHazardand Control Guidance – Microbiology)
TurkishFoodCodex (Regulation on MicrobiologicalCriteria)
CommisionRegulation (EC) No 2073/2005 (microbiologicalcriteriaforfoodstuffs

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PRODUCT SPECIFICATION
LEMON CELL

GENERAL DESCRIPTION:

Lemon cell is made from *Citrus* × *limon*. The product is produced according to the current EU regulations. Preservatives or other foreign additives which are not permitted aren't used. The product meets international physical, chemical and microbiological standards of AIJN and the additional specifications that exist below.
The product is prepared in accordance with the "General Principles of Food Hygiene" recommended by the Codex Alimentarus Commission.
Pesticides residues / Heavy Metals / Mycotoxins / Contaminants: In conformance with current EU directives and AIJN Code of Practice.
The product does not contain allergens subject to labelling according to Regulation (EU) No 1169/2011 of the European Parliamentand of the Council.

Ingredients: Lemon

PHYSICAL / CHEMICAL& SENSORY SPECIFICATIONS:

Sensorical: This product has the characteristic appearance, aroma and clean taste of lemon cell. The product doesn't have signs of fermented or any other off-tastes and off-flavours. It is free of any foreign matters. The product does not contain core, seed and shell fragments.

Colour: Typical of lemon *Citrus* × *limon*, without browning or darkening.

Parameter	**Specification**		**Method**
	Min.	**Max.**	
Brix (Refractometric, 20°C)	7,0	10,0	IFU Nr1
Total Acidity, as citric acid, w/w,%	1,0	5,0	IFU Nr.3
pH	2,8	3,5	
Color L	45		Hunter lab color meter at 7 Brix
HMF (mg/kg)		10	At 7 Brix
D/L-Lactic Acid (g/l)	-	0.2	IFU Nr.53
Arsenic (mg/kg)	-	0.05	IFU REC 06
Lead (mg/kg)	-	0.03	IFU REC 06
Mercury (mg/kg)	-	0.01	IFU REC 06
Cadmium (mg/kg)	-	0.05	IFU REC 06

Prepared By : Food Safety Team Leader	**Issued by: General Manager**

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PRODUCT SPECIFICATION
LEMON CELL

MICROBIOLOGICAL SPECIFICATIONS

Parameter	Specification		Method
	Min.	Max.	
Mesophilic Aerobic Bacteria (cfu/g)	-	<1000	
Yeast &Mold (cfu/g)	-	<500	
Heat Resistant Mold Spores:	-	ND in 25ml.	IFU Microbiological Method 4
Coliform:	-	Absent/1g	
E.coli :		Absent/1g	
Thermophilic Acidophilic Bacteria:	-	Absent/1g	
Pathogenic microorganisms:	-	Absent/1g	
Salmonella :		Absent/10g	
Staphylococcusaureus :		Absent/1g	
Listeriamonocytogenes :		Absent/10g	

SHELF LIFE:
The shelf life is 24 months, at the -18°Cstorage conditions.

STORAGE & SHIPPING CONDITIONS:

The product is stored at -18°C during all stages of storage and shipping.
Each container includes not more than 2 batches unless previously agreed upon.

PACKAGING:

The product is **non aseptically filled** and packed in new metal drums. The metal drums is open-head drums with lids, and all of the uniform height and weight (± 1.0 kg) in the same shipment. The drums is in good condition and without rust or peeling inside or outside.
Aseptic package is used as the inner packaging for contact with the product.
The packaging materials comply with the requirements of the relevant version of the concerned EU regulation and its implementation measures.

WEIGHT:

The weight is consistent at 170-190 kg for all the packages in the same shipment, deviation is ± 0.5% of the declared weight.

Prepared By : Food Safety Team Leader	Issued by: General Manager

PRODUCT SPECIFICATION
LEMON CELL

LABELLING:

Each package is clearly labelled in Turkish or English with the following information;
-Seller Name
-Product Name
-Net Weight
-Batch No/Party No
-Brix
-Country of Origin
-Storage Temperature
-Production Date
-Expiry Date
-Packaging No
-Seller Adress and Contac No

The labelling comply with the requirements of the relevant version of the concerned EU regulation and its implementation measures.
For HALAL and KOSHER, the drums have logo and/or stamps.

ADDITIONAL INFORMATION:

- GMO free : The product does not contain ingredients that contain GMO or is produced from GMO.
- Pesticide Residue: The product is meets legal limits.
- Heavy Metals: The product is meets legal limits.
- Suitable for vegetarians
- No sugar added.
- This concentrated juice is foodgrade.
- FSSC 22000
- Halal Certified
- Kosher Certified – Can also be produced Kosher Passover
- It's prepared for information purposes.

APPLICATIONS

Fruit preparations, dairy products, ice-creams, sweets, pastries, coatings, jellies, soups, sauces, meat products.

REFERENCE

AIJN standarts (fumaric acid, patulin, sodium, heavymetals)
FDA (Juice Hazard and Control Guidance – Microbiology)
Turkish Food Codex (Regulation on Microbiological Criteria)
Commision Regulation (EC) No 2073/2005 (microbiological criteria for foodstuffs

Prepared By : Food Safety Team Leader	Issued by: General Manager