



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

Ereğli Organize Sanayi Bölgesi
Kargacı Mah.5.Cad.No.4/1
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PRODUCT SPECIFICATION APPLE PUREE

GENERAL DESCRIPTION:

Aseptic apple puree is made from *Malus communis* L. only. 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 Alimentarius 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 Parliament and of the Council.

Ingredients: Apple

PHYSICAL / CHEMICAL& SENSORY SPECIFICATIONS:

Sensorical: This product has the characteristic appearance, aroma and clean taste of apple juice. The product doesn'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. The product is produced with sieve diameter 0,5 mm and product does not have any black point.

Colour: Typical of apple *Malus communis* L. only., without browning or darkening.

Parameter	Specification		Method
	Min.	Max.	
Brix (Refractometric, 20°C)	10,5	14	IFU Nr1
Total Acidity, as citric acid, w/w,%	0,2	1,0	IFU Nr.3
pH	3.4	4.1	
Color L	32		Hunter lab color meter at 11,2 Brix
Ascorbic Acid (mg/kg)		800	
Bostwick (cm/sec.)	6	20	11,2 Brix at 20 °C
DL-Lactic Acid (g/l)	-	0.5	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
Chlorate&Perchlorate (ppm)		<0,05	
Delta ¹³ C Sugar ‰ PDB	-28	-24	With EA-IRMs
Patulin, ppb		50	At 11,2 Brix

Prepared By : Food Safety Team Leader

Issued by: General Manager



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PRODUCT SPECIFICATION APPLE PUREE

MICROBIOLOGICAL SPECIFICATIONS

Parameter	Specification		Method
	Min.	Max.	
Mesophilic Aerobic Bacteria (cfu/g)	-	<10	
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	
Staphylococcus aureus :	-	Absent/1g	
Listeria monocytogenes :	-	Absent/10g	

SHELF LIFE:

The shelf life is 24 months, in the suitable ambient storage conditions.

STORAGE & SHIPPING CONDITIONS:

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

PACKAGING:

The product is 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 200-210 kg for all the packages in the same shipment, deviation is $\pm 0.5\%$ of the declared weight.

Prepared By : Food Safety Team Leader

Issued by: General Manager



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PRODUCT SPECIFICATION APPLE PUREE

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.
- PesticideResidue: The product is meets legal limits.
- HeavyMetals: The product is meets legal limits.
- Suitable for vegetarians
- No sugaradded.
- Thisconcentratedjuice is foodgrade.
- FSSC 22000
- HalalCertified
- KosherCertified – Can also be producedKosherPassover
- It'sprepared for information purposes.

APPLICATIONS

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

REFERENCE

AIJN standarts (fumaricacid, patulin, sodium, heavymetals)
FDA (Juice Hazard and Control Guidance – Microbiology)
Turkish Food Codex (Regulation on MicrobiologicalCriteria)
CommisionRegulation (EC) No 2073/2005 (microbiologicalcriteria for foodstuffs)

Prepared By : Food Safety Team Leader

Issued by: General Manager



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PRODUCT SPECIFICATION NFC CLEAR APPLE JUICE

GENERAL DESCRIPTION:

Apple juice is made from Malus x domestica Borkh. 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 Alimentarius 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 Parliament and of the Council.

Ingredients: Apple

PHYSICAL / CHEMICAL& SENSORY SPECIFICATIONS:

Sensorical: This product has the characteristic appearance, aroma and clean taste of Apple juice. The product doesn'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 Apple Malus x domestica Borkh., without browning or darkening.

Parameter	Specification		Method
	Min.	Max.	
Brix (Refractometric, 20°C)	10,5	14,0	IFU Nr1
Total Acidity, as citric acid, w/w,%	0,3	0,8	IFU Nr.3
pH	3,4	4.1	
Color	35		%T at 440 nm /11,2 Brix
Clarity	90		%T at 625 nm /11,2 Brix
Turbidity(11,2 Brix, NTU)		5	IFU Recommendation 7
HMF (mg/kg)		20	At 11,2 Brix
D/L-Lactic Acid (g/l)	-	0.5	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
Chlorate&Perchlorate (ppm)		<0,05	
Delta ¹³ C Sugar ‰ PDB	-28	-24	With EA-IRMs
Patulin, ppb		50	At 11,2 Brix

Prepared By : Food Safety Team Leader

Issued by: General Manager



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PRODUCT SPECIFICATION NFC CLEAR APPLE JUICE

MICROBIOLOGICAL SPECIFICATIONS

Parameter	Specification		Method
	Min.	Max.	
Mesophilic Aerobic Bacteria (cfu/g)	-	<10	
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	
Staphylococcus aureus :	-	Absent/1g	
Listeria monocytogenes :	-	Absent/10g	

SHELF LIFE:

The shelf life is 24 months, at the 0-+4°C storage 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 filled aseptically 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 200/210 kg for all the packages in the same shipment, deviation is $\pm 0.5\%$ of the declared weight.

Prepared By : Food Safety Team Leader

Issued by: General Manager



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PRODUCT SPECIFICATION NFC CLEAR APPLE JUICE

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 food grade.
- FSSC 22000
- Halal Certified
- Kosher Certified – Can also be produced Kosher Passover
- It's prepared for information purposes.
- If the product is organic also organic certificate is given for each batch.

APPLICATIONS

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

REFERENCE

AIJN standarts (fumaric acid, patulin, sodium, heavy metals)
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



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PRODUCT SPECIFICATION NFC CLOUDY APPLE JUICE

GENERAL DESCRIPTION:

Apple juice is made from Malus x domestica Borkh. 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 Alimentarius 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 Parliament and of the Council.

Ingredients: Apple

PHYSICAL / CHEMICAL& SENSORY SPECIFICATIONS:

Sensorical: This product has the characteristic appearance, aroma and clean taste of apple juice. The product doesn'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 apple Malus x domestica Borkh., without browning or darkening.

Parameter	Specification		Method
	Min.	Max.	
Brix (Refractometric, 20°C)	10,5	14,0	IFU Nr1
Total Acidity, as citric acid, w/w,%	0,3	0,8	IFU Nr.3
pH	3,4	4.1	
HMF (mg/kg)		20	At 11,2 Brix
D/L-Lactic Acid (g/l)	-	0.5	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
Chlorate&Perchlorate (ppm)		<0,05	
Delta ¹³ C Sugar ‰ PDB	-28	-24	With EA-IRMs
Patulin, ppb		50	At 11,2 Brix

Prepared By : Food Safety Team Leader

Issued by: General Manager



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PRODUCT SPECIFICATION NFC CLOUDY APPLE JUICE

MICROBIOLOGICAL SPECIFICATIONS

Parameter	Specification		Method
	Min.	Max.	
Mesophilic Aerobic Bacteria (cfu/g)	-	<10	
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	
Staphylococcus aureus :	-	Absent/1g	
Listeria monocytogenes :	-	Absent/10g	

SHELF LIFE:

The shelf life is 24 months, at the 0-+4°C storage 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 filled aseptically 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 200/210 kg for all the packages in the same shipment, deviation is $\pm 0.5\%$ of the declared weight.

Prepared By : Food Safety Team Leader

Issued by: General Manager



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PRODUCT SPECIFICATION NFC CLOUDY APPLE JUICE

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 food grade.
- FSSC 22000
- Halal Certified
- Kosher Certified – Can also be produced Kosher Passover
- It's prepared for information purposes.
- If the product is organic also organic certificate is given for each batch.

APPLICATIONS

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

REFERENCE

AIJN standarts (fumaric acid, patulin, sodium, heavy metals)
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



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PRODUCT SPECIFICATION DEIONISED APPLE JUICE CONCENTRATE

GENERAL DESCRIPTION:

Deionised concentrated apple juice is made from *Malus communis* L. 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 Alimentarius 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 Parliament and of the Council.

Ingredients: Apple

PHYSICAL / CHEMICAL& SENSORY SPECIFICATIONS:

Sensorical: This product has the characteristic appearance, aroma and clean taste of Apple juice. The product doesn'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 Apple *Malus communis* L., without browning or darkening.

Parameter	Specification		Method
	Min.	Max.	
Brix (Refractometric, 20°C)	69	71	IFU Nr1
Total Acidity, as citric acid, w/w,%	0,04	0,5	IFU Nr.3
pH	3,9	4,9	
Color	90		%T at 440 nm /11,2 Brix
Clarity	92		%T at 625 nm /11,2 Brix
Turbidity(11,2 Brix, NTU)		5,0	IFU Recommendation 7
HMF (mg/kg)		20	At 11,2 Brix
D/L-Lactic Acid (g/l)	-	0.5	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
Chlorate&Perchlorate (ppm)		<0,05	
Delta ¹³ C Sugar ‰ PDB	-27	-24	With EA-IRMs
Patulin, ppb		50	At 11,2 Brix

Prepared By : Food Safety Team Leader

Issued by: General Manager



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PRODUCT SPECIFICATION DEIONISED APPLE 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	
Staphylococcus aureus :	-	Absent/1g	
Listeria monocytogenes :	-	Absent/10g	

SHELF LIFE:

The shelf life is 24 months, at the 0-+4°C storage 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 are open-head drums with lids, and all of the uniform height and weight (± 1.0 kg) in the same shipment. The drums are in good condition and without rust or peeling inside or outside.

Aseptic packaging 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 275 kg for all the packages in the same shipment, deviation is $\pm 0.5\%$ of the declared weight.

Prepared By : Food Safety Team Leader

Issued by: General Manager



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PRODUCT SPECIFICATION DEIONISED APPLE 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 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: 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)

Prepared By : Food Safety Team Leader

Issued by: General Manager



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PRODUCT SPECIFICATION APPLE PUREE CONCENTRATE

GENERAL DESCRIPTION:

Aseptic concentrated apple puree is made from *Malus communis* L. only. 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 Alimentarius 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 Parliament and of the Council.

Ingredients: Apple

PHYSICAL / CHEMICAL& SENSORY SPECIFICATIONS:

Sensorical: This product has the characteristic appearance, aroma and clean taste of apple juice. The product doesn'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. The product is produced with sieve diameter 0,5 mm and product does not have any black point.

Colour: Typical of apple *Malus communis* L. only., without browning or darkening.

Parameter	Specification		Method
	Min.	Max.	
Brix (Refractometric, 20°C)	30	32	IFU Nr1
Total Acidity, as citric acid, w/w, %	0,3	1,5	IFU Nr.3
pH	3.5	4.5	
Color L	32		Hunter lab color meter at 11,2 Brix
Ascorbic Acid (mg/kg)		800	
Bostwick (cm/sec.)	6	24	11,2 Brix at 20 °C
DL-Lactic Acid (g/l)	-	0.5	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
Chlorate&Perchlorate (ppm)		<0,05	
Delta ¹³ C Sugar ‰ PDB	-28	-24	With EA-IRMs
Patulin, ppb		50	At 11,2 Brix

Prepared By : Food Safety Team Leader

Issued by: General Manager



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PRODUCT SPECIFICATION APPLE PUREE CONCENTRATE

MICROBIOLOGICAL SPECIFICATIONS

Parameter	Specification		Method
	Min.	Max.	
Mesophilic Aerobic Bacteria (cfu/g)	-	<10	
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	
Staphylococcus aureus :	-	Absent/1g	
Listeria monocytogenes :	-	Absent/10g	

SHELF LIFE:

The shelf life is 24 months, in the suitable ambient storage conditions.

STORAGE & SHIPPING CONDITIONS:

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

PACKAGING:

The product is 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 230 kg for all the packages in the same shipment, deviation is $\pm 0.5\%$ of the declared weight.

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PRODUCT SPECIFICATION APPLE PUREE 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 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.
- PesticideResidue: The product is meets legal limits.
- HeavyMetals: The product is meets legal limits.
- Suitable for vegetarians
- No sugaradded.
- Thisconcentratedjuice is foodgrade.
- FSSC 22000
- HalalCertified
- KosherCertified – Can also be producedKosherPassover
- It'sprepared for information purposes.

APPLICATIONS

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

REFERENCE

AIJN standarts (fumaricacid, patulin, sodium, heavymetals)
FDA (Juice Hazard and Control Guidance – Microbiology)
Turkish Food Codex (Regulation on MicrobiologicalCriteria)
CommisionRegulation (EC) No 2073/2005 (microbiologicalcriteria for foodstuffs)

Prepared By : Food Safety Team Leader

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PRODUCT SPECIFICATION APPLE JUICE CONCENTRATE

GENERAL DESCRIPTION:

Concentrated apple juice is made from Malus x domestica Borkh. 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 Alimentarius 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 Parliament and of the Council.

Ingredients: Apple

PHYSICAL / CHEMICAL& SENSORY SPECIFICATIONS:

Sensorical: This product has the characteristic appearance, aroma and clean taste of apple juice. The product doesn'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 apple Malus x domestica Borkh., without browning or darkening.

Parameter	Specification		Method
	Min.	Max.	
Brix (Refractometric, 20°C)	69	71	IFU Nr1
Total Acidity, as citric acid, w/w,%	1,0	2,5	IFU Nr.3
pH	3,5	4.5	
Color	35		%T at 440 nm /11,2 Brix
Clarity	90		%T at 625 nm /11,2 Brix
Turbidity(11,2 Brix, NTU)		5	IFU Recommendation 7
HMF (mg/kg)		20	At 11,2 Brix
D/L-Lactic Acid (g/l)	-	0.5	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
Chlorate&Perchlorate (ppm)		<0,05	
Delta ¹³ C Sugar ‰ PDB	-28	-24	With EA-IRMs
Patulin, ppb		50	At 11,2 Brix

Prepared By : Food Safety Team Leader

Issued by: General Manager



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PRODUCT SPECIFICATION APPLE 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	
Staphylococcus aureus :	-	Absent/1g	
Listeria monocytogenes :	-	Absent/10g	

SHELF LIFE:

The shelf life is 24 months, at the 0-+4°C storage 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 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 275 kg for all the packages in the same shipment, deviation is $\pm 0.5\%$ of the declared weight.

Prepared By : Food Safety Team Leader

Issued by: General Manager



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PRODUCT SPECIFICATION APPLE 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 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 food grade.
- FSSC 22000
- Halal Certified
- Kosher Certified – Can also be produced Kosher Passover
- It's prepared for information purposes.
- If the product is organic also organic certificate is given for each batch.

APPLICATIONS

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

REFERENCE

AIJN standarts (fumaric acid, patulin, sodium, heavy metals)
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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