



ANALYSIS RESULT REPORT

QUALITY MANAGEMENT

DATE : 16.09.2024
CUSTOMER NAME : PARS TEJARAT
PRODUCT NAME : SUNSORB 70/70 SORBITOL SYRUP
PACKAGING TYPE : DRUM OF 300 KGS
QUANTITY : 22.800 KGS
LOT NUMBER : 9217/PAR
PRODUCTION DATE : 12.09.2024
EXPIRE DATE : 12.09.2026
CONTAINER NO : CONTAINER NUMBERS ARE ON THE PACKING LIST

PRODUCT PROPERTIES

PHYSICAL AND CHEMICAL ANALYSIS

	MIN	MAX	RESULT	REFERENCE METHOD
APPEARANCE	Clear, colorless, viscous, transparent and syrupy solution which is miscible with water.		Confirms	-
REFRACTIVE INDEX (20 °C)	1,4580	1,4616	1,4597	SUNAR INTERNAL METHOD
DRY SUBSTANCE (%)	69,5	71,0	70,21	SUNAR INTERNAL METHOD
SPECIFIC GRAVITY (20 °C) (g/ml)	1,28	1,30	1,30	SUNAR INTERNAL METHOD
D-SORBITOL (on Dry Basis) (%)	72,00	92,0	78,9	SUNAR INTERNAL METHOD
REDUCING SUGAR (as glucose in dry basis) (%)	—	0,3	<0,3	SUNAR INTERNAL METHOD
REDUCING SUGAR AFTER HYDROLYSIS (Total Sugar) (as glucose in dry basis) (%)	—	9,3	<9,3	SUNAR INTERNAL METHOD
WATER (%)	29,0	30,5	29,8	SUNAR INTERNAL METHOD
CHLORIDE (mg/kg)	—	50	<50	SUNAR INTERNAL METHOD
SULPHATE (mg/kg)	—	100	<100	SUNAR INTERNAL METHOD
SOLUBILITY	Totally soluble			-
SULPHATED ASH (in Dry Basis) (%) (m/m)	—	0,1	<0,1	SUNAR INTERNAL METHOD
pH (in Solution)	5,0	7,5	5,8	SUNAR INTERNAL METHOD
ACIDITY (ml)	—	0,2	<0,2	SUNAR INTERNAL METHOD
CONDUCTIVITY (µs/cm)	—	10	2,0	SUNAR INTERNAL METHOD

HEAVY METAL ANALYSIS

	MIN	MAX	RESULT	
NICKEL (ppm)	—	1,0	<1,0	EXTERNAL ANALYSIS
ARSENIC (ppm)	—	1,0	<1,0	EXTERNAL ANALYSIS
LEAD (ppm)	—	0,5	<0,5	EXTERNAL ANALYSIS
HEAVY METALS (in terms of Pb) (ppm)	—	10	<10	EXTERNAL ANALYSIS

MICROBIOLOGICAL ANALYSIS

	MIN	MAX	RESULT	
OSMOPHILIC YEAST (cfu/g)	—	10	<10	SUNAR INTERNAL METHOD
MOULD (cfu/g)	—	10	<10	SUNAR INTERNAL METHOD
ESCHERICHIA COLI (Absent in 1 gram)	ABSENT		ABSENT	SUNAR INTERNAL METHOD
SALMONELLAE (Absent in 25 gram)	ABSENT		ABSENT	EXTERNAL ANALYSIS

* ENTERPRISE REGISTRATION NUMBER: TR-01-K-000192

*GMO DECLARATION:

We declare that our product meets Turkish Republic Regulations number 5977 "Biosafety Law" and number 27671 "Regulation on Genetically Modified Organisms and Products" by periodical control and analysis below.

Our company gets information from all suppliers about the seed, origin, storage conditions and transportation circumstances; ask for the transportation records and ask for the guarantee to meet "Biosafety Law".

To check the suppliers commitment, our company collects samples, makes related analyses and record them systematically.

ANALYSED BY

Laboratory Assistant

RECORDED BY

Microbiology Specialist

APPROVED BY

Quality Management Director

ISMAIL CERTEL

MIKAIL KARATAS

HATICE TOKAT

YOLGEÇEN MAH. TURHAN CEMAL BERKER BULVARI NO:565 SEYHAN ADANA TÜRKİYE

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ANALYSIS RESULT REPORT

QUALITY MANAGEMENT

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CUSTOMER NAME : PARS TEJARAT
PRODUCT NAME : SUNSORB 70/70 SORBITOL SYRUP
PACKAGING TYPE : DRUM OF 300 KGS
QUANTITY : 22,800 KGS
LOT NUMBER : 9218/PAR
PRODUCTION DATE : 12.09.2024
EXPIRE DATE : 12.09.2026
CONTAINER NO : CONTAINER NUMBERS ARE ON THE PACKING LIST

PRODUCT PROPERTIES

PHYSICAL AND CHEMICAL ANALYSIS

	MIN	MAX	RESULT	REFERENCE METHOD
APPEARANCE	Clear, colorless, viscous, transparent and syrupy solution which is miscible with water.		Confirms	-
REFRACTIVE INDEX (20 °C)	1,4580	1,4616	1,4599	SUNAR INTERNAL METHOD
DRY SUBSTANCE (%)	69,5	71,0	70,31	SUNAR INTERNAL METHOD
SPECIFIC GRAVITY (20 °C) (g/ml)	1,28	1,30	1,30	SUNAR INTERNAL METHOD
D-SORBITOL (on Dry Basis) (%)	72,00	92,0	77,9	SUNAR INTERNAL METHOD
REDUCING SUGAR (as glucose in dry basis) (%)	—	0,3	<0,3	SUNAR INTERNAL METHOD
REDUCING SUGAR AFTER HYDROLYSIS (Total Sugar) (as glucose in dry basis) (%)	—	9,3	<9,3	SUNAR INTERNAL METHOD
WATER (%)	29,0	30,5	29,7	SUNAR INTERNAL METHOD
CHLORIDE (mg/kg)	—	50	<50	SUNAR INTERNAL METHOD
SULPHATE (mg/kg)	—	100	<100	SUNAR INTERNAL METHOD
SOLUBILITY	—	Totally soluble	-	-
SULPHATED ASH (in Dry Basis) (%) (m/m)	—	0,1	<0,1	SUNAR INTERNAL METHOD
pH (in Solution)	5,0	7,5	5,9	SUNAR INTERNAL METHOD
ACIDITY (ml)	—	0,2	<0,2	SUNAR INTERNAL METHOD
CONDUCTIVITY (µS/cm)	—	10	3,0	SUNAR INTERNAL METHOD

HEAVY METAL ANALYSIS

	MIN	MAX	RESULT	
NICKEL (ppm)	—	1,0	<1,0	EXTERNAL ANALYSIS
ARSENIC (ppm)	—	1,0	<1,0	EXTERNAL ANALYSIS
LEAD (ppm)	—	0,5	<0,5	EXTERNAL ANALYSIS
HEAVY METALS (in terms of Pb) (ppm)	—	10	<10	EXTERNAL ANALYSIS

MICROBIOLOGICAL ANALYSIS

	MIN	MAX	RESULT	
OSMOPHILIC YEAST (cfu/g)	—	10	<10	SUNAR INTERNAL METHOD
MOULD (cfu/g)	—	10	<10	SUNAR INTERNAL METHOD
ESCHERICHIA COLI (Absent in 1 gram)	ABSENT	ABSENT	ABSENT	SUNAR INTERNAL METHOD
SALMONELLAE (Absent in 25 gram)	ABSENT	ABSENT	ABSENT	EXTERNAL ANALYSIS

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ANALYSED BY
Laboratory Assistant

ISMAIL CERTEL

RECORDED BY
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SUNAR MISIR
ENT. TES. SAN. VE TIC. A.Ş.
500 KAT. S. C. 06710
Yolgeçen Mah. Turhan Cemal Beriker Bulvarı
No: 565 Seyhan / ADANA / TÜRKİYE

APPROVED BY
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ANALYSIS RESULT REPORT

QUALITY MANAGEMENT

DATE : 16.09.2024
CUSTOMER NAME : PARS TEJARAT
PRODUCT NAME : SUNSORB 70/70 SORBITOL SYRUP
PACKAGING TYPE : DRUM OF 300 KGS
QUANTITY : 22,800 KGS
LOT NUMBER : 9219/PAR
PRODUCTION DATE : 13.09.2024
EXPIRE DATE : 13.09.2026
CONTAINER NO : CONTAINER NUMBERS ARE ON THE PACKING LIST

PRODUCT PROPERTIES

PHYSICAL AND CHEMICAL ANALYSIS	MIN	MAX	RESULT	REFERENCE METHOD
APPEARANCE	Clear, colorless, viscous, transparent and syrupy solution which is miscible with water.		Confirms	-
REFRACTIVE INDEX (20 C)	1,4580	1,4616	1,4604	SUNAR INTERNAL METHOD
DRY SUBSTANCE (%)	69,5	71,0	70,50	SUNAR INTERNAL METHOD
SPECIFIC GRAVITY (20 C) (g/ml)	1,28	1,30	1,30	SUNAR INTERNAL METHOD
D-SORBITOL (on Dry Basis) (%)	72,00	92,0	78,9	SUNAR INTERNAL METHOD
REDUCING SUGAR (as glucose in dry basis) (%)	—	0,3	<0,3	SUNAR INTERNAL METHOD
REDUCING SUGAR AFTER HYDROLISIS (Total Sugar) (as glucose in dry basis) (%)	—	9,3	<9,3	SUNAR INTERNAL METHOD
WATER (%)	29,0	30,5	29,5	SUNAR INTERNAL METHOD
CHLORIDE (mg/kg)	—	50	<50	SUNAR INTERNAL METHOD
SULPHATE (mg/kg)	—	100	<100	SUNAR INTERNAL METHOD
SOLUBILITY	—	Totally soluble	—	—
SULPHATED ASH (in Dry Basis) (%) (m/m)	—	0,1	<0,1	SUNAR INTERNAL METHOD
pH (in Solution)	5,0	7,5	6,0	SUNAR INTERNAL METHOD
ACIDITY (ml)	—	0,2	<0,2	SUNAR INTERNAL METHOD
CONDUCTIVITY (µS/cm)	—	10	2,0	SUNAR INTERNAL METHOD
HEAVY METAL ANALYSIS	MIN	MAX	RESULT	
NICKEL (ppm)	—	1,0	<1,0	EXTERNAL ANALYSIS
ARSENIC (ppm)	—	1,0	<1,0	EXTERNAL ANALYSIS
LEAD (ppm)	—	0,5	<0,5	EXTERNAL ANALYSIS
HEAVY METALS (in terms of Pb) (ppm)	—	10	<10	EXTERNAL ANALYSIS
MICROBIOLOGICAL ANALYSIS	MIN	MAX	RESULT	
OSMOPHILIC YEAST (cfu/g)	—	10	<10	SUNAR INTERNAL METHOD
MOULD (cfu/g)	—	10	<10	SUNAR INTERNAL METHOD
ESCHERICHIA COLI (Absent in 1 gram)	ABSENT	ABSENT	ABSENT	SUNAR INTERNAL METHOD
SALMONELLAE (Absent in 25 gram)	ABSENT	ABSENT	ABSENT	EXTERNAL ANALYSIS

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ANALYSED BY
Laboratory Assistant

ALI ŞAHİN

RECORDED BY
Microbiology Specialist
SUNAR MISIR
ENT. TES. SAN. VE TIC. A.Ş.
50 M. K. KARATAŞ
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APPROVED BY
Quality Management Director

HATICE TOKAT

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**SUNAR
MISIR**

ANALYSIS RESULT REPORT

QUALITY MANAGEMENT

DATE : 16.09.2024
CUSTOMER NAME : PARS TEJARAT
PRODUCT NAME : SUNSORB 70/70 SORBITOL SYRUP
PACKAGING TYPE : DRUM OF 300 KGS
QUANTITY : 22.800 KGS
LOT NUMBER : 9220/PAR
PRODUCTION DATE : 13.09.2024
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	MIN	MAX	RESULT	REFERENCE METHOD
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REFRACTIVE INDEX (20 °C)	1,4580	1,4616	1,4597	SUNAR INTERNAL METHOD
DRY SUBSTANCE (%)	69,5	71,0	70,21	SUNAR INTERNAL METHOD
SPECIFIC GRAVITY (20 °C) (g/ml)	1,28	1,30	1,30	SUNAR INTERNAL METHOD
D-SORBITOL (on Dry Basis) (%)	72,00	92,0	77,8	SUNAR INTERNAL METHOD
REDUCING SUGAR (as glucose in dry basis) (%)	—	0,3	<0,3	SUNAR INTERNAL METHOD
REDUCING SUGAR AFTER HYDROLISIS (Total Sugar) (as glucose in dry basis) (%)	—	9,3	<9,3	SUNAR INTERNAL METHOD
WATER (%)	29,0	30,5	29,8	SUNAR INTERNAL METHOD
CHLORIDE (mg/kg)	—	50	<50	SUNAR INTERNAL METHOD
SULPHATE (mg/kg)	—	100	<100	SUNAR INTERNAL METHOD
SOLUBILITY	—	Totally soluble	—	—
SULPHATED ASH (in Dry Basis) (%) (m/m)	—	0,1	<0,1	SUNAR INTERNAL METHOD
pH (in Solution)	5,0	7,5	5,7	SUNAR INTERNAL METHOD
ACIDITY (ml)	—	0,2	<0,2	SUNAR INTERNAL METHOD
CONDUCTIVITY (µS/cm)	—	10	2,0	SUNAR INTERNAL METHOD

HEAVY METAL ANALYSIS

	MIN	MAX	RESULT	
NICKEL (ppm)	—	1,0	<1,0	EXTERNAL ANALYSIS
ARSENIC (ppm)	—	1,0	<1,0	EXTERNAL ANALYSIS
LEAD (ppm)	—	0,5	<0,5	EXTERNAL ANALYSIS
HEAVY METALS (in terms of Pb) (ppm)	—	10	<10	EXTERNAL ANALYSIS

MICROBIOLOGICAL ANALYSIS

	MIN	MAX	RESULT	
OSMOPHILIC YEAST (cfu/g)	—	10	<10	SUNAR INTERNAL METHOD
MOULD (cfu/g)	—	10	<10	SUNAR INTERNAL METHOD
ESCHERICHIA COLI (Absent in 1 gram)	—	ABSENT	ABSENT	SUNAR INTERNAL METHOD
SALMONELLAE (Absent in 25 gram)	—	ABSENT	ABSENT	EXTERNAL ANALYSIS

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