

	<p align="center">PRODUCT TECHNICAL DETAILED SHEET “GRAN MANTOVANO” CHEESE</p>	<p align="right">Rev. 10 11/07/2023</p>
---	--	---

INDEX

A. PRODUCT NAME: 2

B. PRODUCT DESCRIPTION: 2

C. PRODUCT FEATURES: 2

D. PRODUCED BY:..... 2

E. NUTRITIONAL VALUES - Content on 100 g 3

F. INGREDIENTS LIST:..... 4

G. CHEMICAL STANDARDS: 4

H. MICROBIOLOGICAL AND CHEMICAL VALUES: 5

I. SIZES/WEIGHT/PRODUCT PACKING..... 6

- WHOLE WHEELS..... 6
- HALF WHEELS 6
- WEDGE IN 1/4th..... 7
- WEDGE IN 1/8th..... 7
- WEDGE IN 1/16th..... 8
- WEDGE IN 1/32th..... 8
- WEDGE IN 800 g 9
- WEDGE IN 500 g 9
- WEDGE IN 300 g10

J. LABELING COMPLIANCE:10

	<p align="center">PRODUCT TECHNICAL DETAILED SHEET "GRAN MANTOVANO" CHEESE</p>	<p align="right">Rev. 10 11/07/2023</p>
---	--	---

A. PRODUCT NAME:

HARD ITALIAN CHEESE "GRAN MANTOVANO"

B. PRODUCT DESCRIPTION:

Semi-fat hard cheese with microbial rennet, cooked and slow maturing, obtained from cow's milk.

C. PRODUCT FEATURES:

Origin of the milk: Italy.
Crust: hard and smooth.
Paste: hard, with finely grained structure, radial fracture scales.
Crust colour: dark or natural golden yellow.
Paste colour: white or straw yellow.
Aroma: fragrant.
Taste: delicate.

SHELF-LIFE and STANDARD storage methods:

- Whole wheels: 365 days. Keep refrigerated between + 15°C and + 18°C.
- Vacuum packed: 180 days (90 days for half wheels). Keep refrigerated between + 4°C and + 8°C.

D. PRODUCED BY:

Latteria Sociale Mantova Soc. Agr. Coop.
 Via F.lli Kennedy, 48 S. Antonio di Porto Mantovano (MN)
 Pho: +39 0376/390808 Fax: +39 0376/396250
 e-mail: info@lsmgroup.it website: www.lsmgroup.it

Approval number: IT 03 642 CE, IT 03 365 CE, IT 03 679 CE, IT 03 127 CE
Certifications: BRC, IFS FOOD
Other certifications: Organic Control Body IT BIO 009; Organic operator Code F656 and F657, HALAL



E. NUTRITIONAL VALUES - Content on 100 g

ENERGETIC VALUE (per 100 g):

kJ	1654	
kcal	398	
▪ Fat	g	29
of which saturates	g	18
▪ Cholesterol	mg	98,3
▪ Carbohydrate	g	0
of which sugars	g	0
▪ Fibers	g	0
▪ Protein	g	33,0
▪ Salt	g	1,5
▪ Humidity	g	32,0
▪ Free total Amino acids	g	6,0
▪ Calcium	mg	1165,0
▪ Phosphorus	mg	692,0
▪ Ratio Ca/P		1,7
▪ Potassium	mg	120,0
▪ Magnesium	mg	63,0
▪ Zinc	mg	11,0
▪ Iron	mg	0,14
▪ Copper	mg	0,5
▪ Selenium	µg	12,0
▪ Iodine	µg	35,5
▪ Vitamin A	µg	224,0
▪ Vitamin B1	mg	0,02
▪ Vitamin B2	mg	0,36
▪ Vitamin B6	mg	0,12
▪ Vitamin B12	µg	3,0
▪ Vitamin D3	µg	0,5
▪ Vitamin PP	mg	0,003
▪ Vitamin E	mg	0,206
▪ Pantothenic Acid	mg	0,246
▪ Choline	mg	20,0
▪ Biotin	µg	6,0

	PRODUCT TECHNICAL DETAILED SHEET "GRAN MANTOVANO" CHEESE	Rev. 10 11/07/2023
---	---	-----------------------

F. INGREDIENTS LIST:

INGREDIENT	SOURCE	QUANTITY - % in end product
MILK	Raw vaccine	98,371
SALT	Sea	1,6
RENNET	Microbic	0,004
LYSOZYME	Protein from egg	0,025

* *THE BOLD ITEMS ARE ALLERGENS*

G. CHEMICAL STANDARDS:

MATTER	NOTE	REGULATORY REFERENCE (including subsequent updates or changes)
Microbiological criteria applicable to products grocery	Compliance with the mandatory limits	EC Regulation 2073/2005
Dioxins and similar dioxin PCBs		EU Regulation 915/2023
Heavy Metals		EU Regulation 915/2023
Pesticides		EC Regulation 396/2005
Residues of veterinary medicines		EU Regulation 37/2010
Aflatoxin M1		MINSAL Note n. 70600 of 23/12/19
If packaged product (suitability for food contact)	Compliance with mandatory requirements	EC Regulation 1935/2004 - EC Regulation 2023/2006 - EU Regulation 10/2011 - MD 21/03/73 - DPR No. 777/82
Additives	Absence of additives	EC Regulation 1333/2008
Allergens	Compliance with mandatory requirements	EU Regulation 1169/2011
GMO	Absence of use of GMOs in raw materials	EC Regulation 1829/2003 - EC Regulation 1830/2003
Ionizing radiations	Product not subjected to ionizing radiation	L.D. 94 of 30/01/2001

	PRODUCT TECHNICAL DETAILED SHEET “GRAN MANTOVANO” CHEESE	Rev. 10 11/07/2023
---	---	-----------------------

H. MICROBIOLOGICAL AND CHEMICAL VALUES:

Microbiological values		
PARAMETER	UNIT OF MEASUREMENT	VALUE
Total Coliforms	CFU/g	< 100
<i>E. coli</i>	CFU/g	< 10
Yeasts	CFU/g	< 10.000
Molds	CFU/g	< 500
<i>Staphylococcus aureus</i>	CFU/g	< 10
<i>Listeria monocytogenes</i>	CFU/25 g	none
<i>Salmonella spp.</i>	CFU/25 g	none
Chemical values		
pH	na	5,68 (average value)
aW	na	0,914 (average value)
Modified atmosphere composition (if present)	%	70 (N ₂) + 30 (CO ₂)

I. SIZES/WEIGHT/PRODUCT PACKING

➤ **WHOLE WHEELS**

Average Unit Weight: 37 Kg

Inner packaging: none

Outer packaging:

Type: whole wheel box

Size: mm 470 x 470 x H.270

Material: cardboard

Closing: white tape

Composition:

Pieces / box: 1

Boxes / layer: 5

Boxes / pallet: 25

Pallet type: 80 x 120 – HT-TREATED pallets on
customer's demand



➤ **HALF WHEELS**

Average Unit Weight: 18,5 kg

Inner packaging: vacuum plastic bag

Outer packaging:

Type: whole wheel box

Size: mm 470 x 470 x H.270

Material: cardboard

Closing: white tape

Composition:

Pieces / box: 2

Boxes / layer: 5

Boxes / pallet: 20

Pallet type: 80 x 120 – HT-TREATED pallets on customer's
demand



➤ **WEDGE IN 1/4th**

Average Unit Weight: about 9,2 Kg

Inner packaging: vacuum plastic bag

Outer packaging:

Type: CT 3

Size: mm 470 x 240 x H.270

Material: cardboard

Closing: white tape

Composition:

Pieces / box: 2

Boxes / layer: 7

Boxes / pallet: 42

Pallet type: 80 x 120 - HT-TREATED pallets on customer's demand



➤ **WEDGE IN 1/8th**

Average Unit Weight: about 4,6 Kg

Inner packaging: vacuum plastic bag

Outer packaging:

Type: CT 3

Size: mm 470 x 240 x H.270

Material: cardboard

Closing: white tape

Composition:

Pieces / box: 4

Boxes / layer: 7

Boxes / pallet: 42

Pallet type: 80 x 120 - HT-TREATED pallets on customer's demand



➤ **WEDGE IN 1/16th**

Average Unit Weight: about 2,4 Kg

Inner packaging: vacuum plastic bag

Outer packaging:

Type: CT 3

Size: mm 470 x 240 x H.270

Material: cardboard

Closing: white tape

Composition:

Pieces / box: 8

Boxes / layer: 7

Boxes / pallet: 42

Pallet type: 80 x 120 - HT-TREATED pallets on customer's demand



➤ **WEDGE IN 1/32th**

Average Unit Weight: about 1,2 Kg

Inner packaging: vacuum plastic bag

Outer packaging:

Type: CT 3

Size: mm 470 x 240 x H.250

Material: cardboard

Closing: white tape

Composition:

Pieces / box: 16

Boxes / layer: 7

Boxes / pallet: 42

Pallet type: 80 x 120 - HT-TREATED pallets on customer's demand



➤ **WEDGE IN 800 g**

Average Unit Weight: about 800 g

Inner packaging: vacuum plastic bag

Outer packaging:

Type: CT 1/4

Size: mm 470 x 240 x H.150

Material: cardboard

Closing: white tape

Composition:

Pieces / box: 11

Boxes / layer: 7

Boxes / pallet: 70

Pallet type: 80 x 120 - HT-TREATED pallets on customer's demand



➤ **WEDGE IN 500 g**

Average Unit Weight: about 500 g

Inner packaging: vacuum plastic bag

Outer packaging:

Type: CT 1/4

Size: mm 470 x 240 x H.150

Material: cardboard

Closing: white tape

Composition:

Pieces / box: 16

Boxes / layer: 7

Boxes / pallet: 70

Pallet type: 80 x 120 - HT-TREATED pallets on customer's demand



➤ **WEDGE IN 300 g**

Average Unit Weight: about 300 g

Inner packaging: vacuum plastic bag

Outer packaging:

Type: CT 1/4

Size: mm 470 x 240 x H.150

Material: cardboard

Closing: white tape

Composition:

Pieces / box: 25

Boxes / layer: 7

Boxes / pallet: 70

Pallet type: 80 x 120 - HT-TREATED pallets on customer's demand



J. LABELING COMPLIANCE:

We hereby declare that all the labels on our products are in compliant whit the features listed on this data sheet.

LATTERIA SOCIALE MANTOVA SOC. AGR. COOP.