

 LATTERIA SOCIALE MANTOVA SOC. AGR. COOP.	PRODUCT TECHNICAL DETAILED SHEET GRANA PADANO P.D.O. CHEESE “LATTERIA SOCIALE MANTOVA”	Rev. 24 06/10/2023
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A. PRODUCT NAME:

GRANA PADANO P.D.O.

B. PRODUCT DESCRIPTION:

The protected designation of origin GRANA PADANO refers to cheese produced throughout the year with raw cow's milk partially decremented by natural outcrop, cooked, hard and slow-ripening, used as a table or as a grater, and which meets the conditions and requirements laid down in the production specification of Grana Padano.

C. PRODUCT FEATURES:

Origin of milk: Italy

Shape: cylindrical, slightly convex or almost straight, flat faces, slightly edged.

Shape diameter: 35 to 45 cm.

Heel height: from 18 to 25 cm, with variations for both, more or less, in relation to the technical conditions of production.

Weight: 24 to 40 kg refers to the average weight of the whole lot subjected to expert testing with a tolerance of 2.5% of the individual shape, provided that the shapes that benefit from tolerance are part of an entire lot, which falls within the above parameters.

Crust: hard and smooth, 4-8 mm thick.

Paste: hard, with a finely grained structure, radial fracture in scales and barely visible holes.

Fat on dry matter: minimum 32%.

Crust colour: dark or natural golden yellow; any artificial dye is expressly excluded.

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.
- Modified atmosphere packaging: 120 days. Keep refrigerated between + 4°C and + 8°C.
- Grated: 90 days (100 days for brand "LSM group" 100 g). Keep refrigerated between + 4°C and + 8°C.
- Shavings and dices packed: 90 days (120 days for brand "LSM group" 125 g). Keep refrigerated between + 4°C and + 8°C.

D. PRODUCED BY:

Latteria Sociale Mantova Soc. Agr. Coop.

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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

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F. INGREDIENTS LIST:

INGREDIENT	SOURCE	QUANTITY - % in end product
MILK	Raw vaccine	98,371
SALT	Sea	1,6
RENNET	Calves	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

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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 Grana Padano Consortium)
aW	na	0,914 (average value Grana Padano Consortium)
Modified atmosphere composition (if present)	%	70 (N ₂) + 30 (CO ₂)

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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

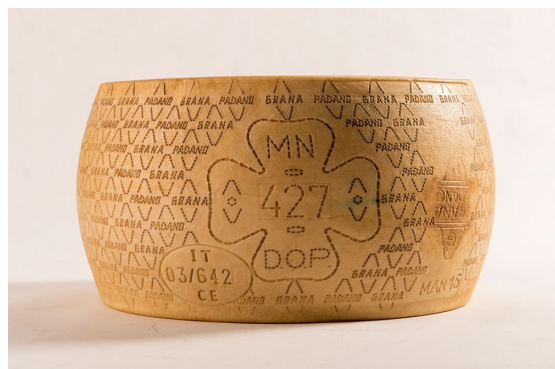
Composition:

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



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➤ **WEDGE IN 1/4th**

Average Unit Weight: about 9,2 Kg

Inner packaging: vacuum plastic bag

Outer packaging:

Type: CT 11

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 11

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



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➤ **WEDGE IN 1/16th**

Average Unit Weight: about 2,3 Kg

Inner packaging: vacuum plastic bag

Outer packaging:

Type: CT 11

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 11

Size: mm 470 x 240 x H.270

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



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➤ **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



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➤ **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



➤ **SIZES BY 250, 200 AND 150 g FLEX PACK OR PLASTIC TRAY, RANDOM WEIGHT OR FIX WEIGHT**

Unit Weight: 250 g / 200 g / 150 g set or random weight

Inner packaging: plastic pack under-vacuum or in MAP

Outer packaging:

Type: CT 3 Kg US

Size: mm 255 x 151 x H.206

Material: cardboard

Closing: white tape

Composition:

Pieces / box: 12 x 250 g, 15 x 200 g, 20 x 150 g

Boxes / layer: 23

Boxes / pallet: 161

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



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➤ **100 g GRATED**

Unit weight: 100 g

Inner packaging: resealable plastic bag



Outer packaging choice between:

Type: Display box of 24 **CROSSED BAGS**

Size: mm 400 x 200 x H.170

Material: cardboard

Closing: U-shaped lid

Composition:

Pieces / box: 24

Boxes / layer: 12

Boxes / pallet: 108

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

Type: Display box of 12 **STAND-UP BAGS**

Size: mm 215 x 95 x H.160

Material: cardboard

Closing: U-shaped lid

Composition:

Pieces / box: 12

Boxes / layer: 18

Boxes / pallet: 162

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

ONLY FOR THE FOLLOWING

COUNTRIES: HOLLAND, BULGARIA,
SLOVAKIA, CZECH REP., BULGARIA,
ALBANIA AND CROATIA

Type: CT 4

Size: mm 395 x 156 x H.171

Material: cardboard

Closing: white tape

Composition:

Pieces / box: 12

Boxes / layer: 14

Boxes / pallet: 126

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

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➤ **500 g GRATED**

Unit weight: 500 g

Inner packaging: flat bottom plastic bag

Outer packaging:

Type: CT 10

Size: mm 500 x 300 x H.220

Material: cardboard

Closing: white tape

Composition:

Pieces / box: 16

Boxes / layer: 6

Boxes / pallet: 48

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



➤ **1 Kg GRATED**

Unit weight: 1 Kg

Inner packaging: flat bottom plastic bag

Outer packaging:

Type: CT 10

Size: mm 500 x 300 x H.220

Material: cardboard

Closing: white tape

Composition:

Pieces / box: 10

Boxes / layer: 6

Boxes / pallet: 48

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



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➤ **2 Kg GRATED**

Unit weight: 2 Kg

Inner packaging: flat bottom plastic bag

Outer packaging:

Type: CT 10

Size: mm 500 x 300 x H.220

Material: cardboard

Closing: white tape

Composition:

Pieces / box: 5

Boxes / layer: 6

Boxes / pallet: 48

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



➤ **5 Kg GRATED**

Unit weight: 5 Kg

Inner packaging: flat bottom plastic bag

Outer packaging:

Type: CT 10

Size: mm 500 x 300 x H.220

Material: cardboard

Closing: white tape

Composition:

Pieces / box: 2

Boxes / layer: 6

Boxes / pallet: 48

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



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➤ **125 g SHAVINGS**

Unit weight: 125 g

Inner packaging: resealable plastic bag

Outer packaging:

Type: Display box of 12 **STAND-UP BAGS**

Size: mm 393 x 147 x H.199

Material: cardboard

Closing: U-shaped lid

Composition:

Pieces / box: 12

Boxes / layer: 14

Boxes / pallet: 112

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



➤ **500 g SHAVINGS**

Unit weight: 500 g

Inner packaging: flat bottom plastic bag

Outer packaging:

Type: CT 10

Size: mm 500 x 300 x H.220

Material: cardboard

Closing: white tape

Composition:

Pieces / box: 16

Boxes / layer: 6

Boxes / pallet: 48

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



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➤ **1 Kg SHAVINGS**

Unit weight: 1 Kg

Inner packaging: flat bottom plastic bag

Outer packaging:

Type: CT 10

Size: mm 500 x 300 x H.220

Material: cardboard

Closing: white tape

Composition:

Pieces / box: 10

Boxes / layer: 6

Boxes / pallet: 48

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



➤ **500 g DICES**

Unit weight: 500 g

Inner packaging: flat bottom plastic bag

Outer packaging:

Type: CT 10

Size: mm 500 x 300 x H.220

Material: cardboard

Closing: white tape

Composition:

Pieces / box: 16

Boxes / layer: 6

Boxes / pallet: 48

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



J. LABELLING 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.