



PRODUCT SHEET

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	<b>PRODUCT TECHNICAL DETAILED SHEET</b> <b>GRANA PADANO P.D.O. CHEESE</b> <b>“LATTERIA SOCIALE MANTOVA”</b>	Rev 18 30/10/2019
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**A. PRODUCT NAME:**

**GRANA PADANO P.D.O. CHEESE**

**B. PRODUCT DESCRIPTION:**

Semi-fat hard DOP cheese, slowly cooked and ripened. It is obtained from vaccine milk through the working process described in the Production Disciplinary of the Grana Padano Cheese Protection Cooperative. The product has excellent health qualities thanks to the technological process used for its production, which is the result of strict controls made in order to avoid micro-organisms harmful to consumers' health.

**C. PRODUCT FEATURES:**

**Country of origin:** Italy

**Shape:** cylindrical, slightly convex or almost straight sides, flat faces with a thin rind

**Sizes:** diameter from 35 to 45 cm, sides height from 15 to 18 cm, which may vary according to the conditions and production processes

**Weight:** from 24 to 40 Kg per cheese wheel. No wheel has to weigh less than 24 Kg

**External appearance:** dark yellow or slightly oily

**Paste typical aroma and flavour:** fragrant, delicate

**Paste structure:** finely granular, radial fracture into slivers

**Structure colour:** white or straw yellow

**Holes:** hardly visible

**Rind thickness:** 4 to 8 mm

**Ripening:** natural ripening takes place by storing the product in a natural environment at 15 - 22° C

**Resistance to ripening:** 1 to 2 years

**Use:** table cheese and grating

**Dry substance fat:** 32% minimum

**Standard Expiry and storage conditions:**

- Whole wheels: 365 days, at 15/18° C
- Vacuum packed: 180 days (90 days for half wheels), at 4/8 ° C
- Modified atmosphere packaging: 120 days, at 4/8 ° C
- Shavings and dice: 90 days, at 4/8 ° C
- Grated: 90 days, at 4/8°C

**D. PRODUCED BY:**

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**EEC registration N°:** IT 03 642 CE, IT 03 365 CE, IT 03 679 CE  
**Certifications:** BRC V. 8, IFS V. 6.1  
**Other Credits :** SOT ICEA LOMBARDIA (Grana Padano Bio) Operator Code C425, HALAL



**E. NUTRITIONAL VALUES - Content on 100 g**

**ENERGETIC VALUE (per 100 g):**

Kj	1654	
Kcal	398	
▪ Fat	g	29
of which saturated	g	18
▪ Cholesterol	mg	98,3
▪ Carbohydrates (Sugars)	g	0
of which sugar	g	0
▪ Fibers	g	0
▪ Proteins	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

	<b>PRODUCT TECHNICAL DETAILED SHEET GRANA PADANO P.D.O. CHEESE “LATTERIA SOCIALE MANTOVA”</b>	Rev 18 30/10/2019
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## F. INGREDIENTS LIST:

INGREDIENT	SOURCE	QUANTITY - % in end product
<b>Milk</b>	raw vaccine	98,371
Salt	Sea	1,6
Rennet	Calves	0,004
Lysozyme	Protein from <b>egg</b>	0,025

\* **THE BOLD ITEMS ARE ALLERGENS**

## G. RAW MATERIAL AND PRODUCTIVE PROCESS CONTROL:

- Official drawings to control the quality and the different features of milk of the suppliers (3 checks/month)
- Daily controls for temperature and acidity on every milk tank delivered to our dairy for check the milk quality

## H. CHEMICAL STANDARDS:

The Consortium of the Grana Padano cheese establishes criteria and limits in its Production Specification Book, which is actually applied.

## I. 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

## **J. 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 (according to EC rule)

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 packed bag

Outer packaging:

Type: Whole wheel box

Size: mm 470 x 470 x H.270

Material: Cardboard (according to EC rule)

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



➤ **1/4<sup>th</sup>**

Average Unit Weight: about 9,2 Kg

Inner packaging: Vacuum packed bag

Outer packaging:

Type: CT 11

Size: mm 470 x 240 x H.270

Material: Cardboard (according to EC rule)

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



➤ **1/8<sup>th</sup>**

Average Unit Weight: about 4.6 Kg

Inner packaging: Vacuum packed bag

Outer packaging:

Type: CT 11

Size: mm 470 x 240 x H.270

Material: Cardboard (according to EC rule)

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



➤ **1/16<sup>th</sup>**

Average Unit Weight: about 2.3 Kg

Inner packaging: Vacuum packed bag

Outer packaging:

Type: CT 11

Size: mm 470 x 240 x H.270

Material: Cardboard (according to EC rule)

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



➤ **1/32<sup>th</sup>**

Average Unit Weight: about 1.2 Kg

Inner packaging: Vacuum packed bag

Outer packaging:

Type: CT 11

Size: mm 470 x 240 x H.270

Material: Cardboard (according to EC rule)

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



➤ **800g (=1/40<sup>th</sup>)**

Average Unit Weight: about 800g

Inner packaging: Vacuum packed bag

Outer packaging:

Type: CT 1/4

Size: mm 470 x 240 x H.150

Material: Cardboard (according to EC rule)

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



➤ **500g (=1/64<sup>th</sup>)**

Average Unit Weight: about 500g

Inner packaging: Vacuum packed bag

Outer packaging:

Type: CT 1/4

Size: mm 470 x 240 x H.150

Material: Cardboard (according to EC rule)

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





➤ **300g (=1/100<sup>th</sup>)**

Average Unit Weight: about 300g

Inner packaging: Vacuum packed bag

Outer packaging:

Type: CT 1/4

Size: mm 470 x 240 x H.150

Material: Cardboard (according to EC rule)

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



➤ **250g, 200g & 150g set / random/fix weight, Flex pack/plastic Tray**

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

Inner packaging: thermoformed foil (Flex) or hard plastic tray

Outer packaging:

Type: CT 3 Kg US

Size: mm 255 x 151 x H.206

Material: Cardboard (according to EC rule)

Closing: white tape

Composition:

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

Boxes / layer: 23

Boxes / pallet: 161

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



➤ **100g GRATED**

Unit weight: 100g

Inner packaging: PET/aluminium Doypack bag with zip



Outer packaging choice between:

Type: Display box of 24 CROSSED BAGS

Size: mm 400 x 200 x H.170

Material: Cardboard (according to EC rule)

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 (according to EC rule)

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

➤ **500g GRATED**

Unit weight: 500g

Inner packaging: GP branded & square bottom blue bag

Outer packaging:

Type: CT 10

Size: mm 500 x 300 x H.220

Material: Cardboard (according to EC rule)

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: GP branded & flat bottom blue bag

Outer packaging:

Type: CT 10

Size: mm 500 x 300 x H.220

Material: Cardboard (according to EC rule)

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



➤ **2 Kg GRATED**

Unit weight: 2 Kg

Inner packaging: GP branded & flat bottom blue bag

Outer packaging:

Type: CT 10

Size: mm 500 x 300 x H.220

Material: Cardboard (according to EC rule)

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: GP branded & flat bottom blue bag

Outer packaging:

Type: CT 10

Size: mm 500 x 300 x H.220

Material: Cardboard (according to EC rule)

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



➤ **500g SHAVINGS**

Unit weight: 500g

Inner packaging: GP branded & flat bottom clear bag

Outer packaging:

Type: CT 10

Size: mm 500 x 300 x H.220

Material: Cardboard (according to EC rule)

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 SHAVINGS**

Unit weight: 1 Kg

Inner packaging: GP branded & flat bottom clear bag

Outer packaging:

Type: CT 10

Size: mm 500 x 300 x H.220

Material: Cardboard (according to EC rule)

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



➤ **500g DICES**

Unit weight: 500g

Inner packaging: GP branded & flat bottom clear bag

Outer packaging:

Type: CT 10

Size: mm 500 x 300 x H.220

Material: Cardboard (according to EC rule)

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



**LABELLING COMPLIANCE:**

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

**LATTERIA SOCIALE MANTOVA SOC. AGR. COOP.**