



Traceability

Case study – La dolce Fattoria

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Definition of Traceability

Traceability is defined by Regulation (EC) 178/2002 – article 18, as ‘the ability to trace and follow a food, feed, food-producing animal or substance intended to be, or expected to be incorporated into a food or feed, through all stages of production, processing and distribution’.

We follow now what happens in a particular Italian Dairy Farm that produces different kinds of delicious cheeses from farmhouse milk



Traceability (also called “external” traceability) \neq Internal traceability

Traceability (= external traceability)

It consist in keeping the information:
one step back: of the origin of all ingredients
one step forward: of the recipients of the products made

Traceability is mandatory

It allows the organisation of withdrawal/recall in case of non conformity on products or ingredient

Internal traceability

The **link is done** between all raw materials and ingredients used and all cheeses or dairy products made

Internal traceability is voluntary

It should allow the limitation of withdrawal/recall measures if a contamination is identified only in one specific ingredient





The Dairy Farm is located in Piemonte, the name is:





All Products are Made with Milk from the Farm



There are 30 milking cows that produce around 600 litres of milk/day and half is used in the dairyfarm





The Cheesemaker is Giorgio and he produces:

- Pasteurized Milk
- Fresh Cheeses
- Ripening Cheeses
- Ice Cream
- Yogurt





The products are sold in the Farm shop or at the Market





Particular product's category

Lactic Cheeses with topping sauces:

- Peppers Sauce
- Green Piemontese Sauce
- Blackberry sauce





Let's try to trace the tomino

Work in groups of 3 or 4 people:

What we Know:

- ✓ Tomino Piemontese is a Lactic Coagulation
- ✓ The milk is produced in the Farm
- ✓ The sauce is put on the top the day before selling
- ✓ The Shelf life is 1 Week
- ✓ Giorgio sells the Tomino in the Farm shop or at the Market



FIND THE BEST SOLUTION TO TRACE THE TOMINO'S STORY FROM THE MILK TO THE COSTUMERS TABLE AND THEN WE GO TO DISCOVER WHAT GIORGIO DOES



Examples of Ingredient's registration forms used in the Dairy Farm

REGISTRO INGREDIENTI: SALE E CAGLIO

FORNITORE PRODOTTO	LOTTO	CONSERVAZIONE SCADENZA	DATA INIZIO USO	DATA FINE USO
SALE ITALKALI	LP 14345C	Magazzino No	15/10/17	
CAGLIO vitello S.Maria 1:10.000	PT 15022	+ 4°C 10/08/19	30/08/17	31/12/17
	PT 18019	+ 4°C 21/08/20	31/12/17	

Note

REGISTRO INGREDIENTI: FERMENTI

FORNITORE PRODOTTO	LOTTO	CONSERVAZIONE SCADENZA	DATA INIZIO USO	DATA FINE USO
FERMENTI Santamaria TM E 10 LYO	0025732	-18 °C luglio 2018	2/04/2018	
FERMENTI Santamaria YO WM 430 431	0035276	-18 °C settembre 2018	30/03/2018	16/04/2018
	0035378	-18°C	17/04/2018	
FERMENTI Santamaria ME G 40 42	00448	-18 °C	19/03/2018	

Note

REGISTRO INGREDIENTI: MUFFE E LIEVITI

FORNITORE PRODOTTO	LOTTO	CONSERVAZIONE SCADENZA	DATA INIZIO USO	DATA FINE USO
Santamaria Penicillium Candidum CS 12	0097801	-18 °C	03/01/18	
Santamaria Kluyveromyces 05	0082433	-18 °C	10/01/18	

Note



Traceability of Sauce

Milk is registered on a dedicated form, all other ingredients are registered in a “Ingredients book”, where are specified the following:

- Supplier
- Name of products
- Storage and exipre date
- Start of use date
- End of use date



REGISTRO INGREDIENTI: SALSE

FORINTORE PRODOTTO	LOTTO	CONSERVAZIONE SCADENZA	DATA INIZIO USO	DATA FINE USO
Biffi Salsa Piemontese	19BB8A	+4 °C febbraio 2019	10/01/18	
Vigortaggi Salsa peperoni'	081017	+ 4°C agosto 2018	09/01/2018	
Bibiana frut Salsa mirtillo	101117	magazzino luglio 2019	09/01/2018	

Note



Giorgio everyday fills in a spreadsheet with:

- Date
- Product
- Quantity

FOGLIO DI LAVORO

DATA	PRODOTTO	QUANTITA'
16/03/2018	TOMINO	60 L.
	MOZZARELLA	100 L.
	TOMA STAGIONATA	150 L.



Tomino Piemontese

Packaging
ready for selling





Giorgio's choice is to have an ingredient's book to collect every information

Is this the only solution to keep Internal Traceability?

It is not compulsory to have a ingredient's book, but it is compulsory to be able to trace where their products go!

Are there other solutions?



S P I N S A N T
PACKING & CO.
 centro distribuzione imballaggi e affini
 www.spinpacking.it - email: spinpacking@spinpacking.it
 Ragione Sociale: Packing & Co. s.r.l. Unipersonale
 Sede Legale: Lungomare del Mare, 44 - 40193 Roma
 Sede Attiva via Operativa: Via Evlio De Michelis, 20
 00177 Roma
 Tel. 06 508634 - Mobile 339 733710 - FAX 0726 737354
 Registro Imprese Tribunale di Roma n. 0185290442
 P.IVA 14221130582 - Capitale Sociale € 10.000 i.v.
 RASB ANI PORTO D'ASCOLI IF 588 01000 84001 000 000 000 487

COPIA

SPETT.LE
 SCARAFONI EROS
 AZIENDA AGRICOLA FONTEGRANNE
 C.DA SCHEGGIA CASCINI SN
 63021 AMANDOLA

15135
 CONDIZIONE PAGAMENTO
 304 NR. 01 EB 30 FM
 TELEFONO
 0734 771289
 CODICE FISCALE
 SCRSRS60090542T
 CODICE REGIONALE
 3
 DATA EMISSIONE
 30/06/2018
 NUMERO DOCUMENTO
 705/11
 DATA PAGAMENTO
 18/04/2018

LARGO BAGLIONI 20 BELMONT

DESCRIZIONE	UNITA' DOCUMENTO	QUANTITA'	PREZZO UNITARIO	SC.FIN.	IMPORTO NETTO	IVA
SAC. ALIMENTI NOB. MED. 15-10X30	KG	10,000	4,14000	20	37,32	20
SACCHI NOB. ELOC. NOTRE 20-10X40	KG	10,000	4,14000	20	37,32	20
SACCHI NOB. ELOC. NOTRE 20-12X50	KG	10,000	4,14000	20	37,32	20
TASSI IN PER. 10X30	KG	10,000	4,14000	20	37,32	20
SHIPPERS EN 1432 2 BIODIGERABILI	CF	1,000	20,00000	20	19,84	20
PE. 24*42 GR. 5 PE. 500 B.CO STRAPP	PE	257,000	0,06800	20	17,46	20
BUTTE VACUUM 200X150 A/095	PE	200,000	0,09300	20	18,60	20
BUTTE VACUUM 250X150 A/095	PE	200,000	0,09300	20	18,60	20
BUTTE VACUUM 300X400 A/095	PE	100,000	0,13800	20	13,80	20

TOTALE NETTO
 183,12
 TOTALE A PAGARE
 227,68
 TOTALE PAGATO
 227,68

183,12
 227,68
 30/06/2018

183,12
 227,68
 18/04/2018

183,12
 227,68
 18/04/2018

VIA CASTELLANO RTE 11
 BELMONT PICHIO - FM



**Fontegranne Farm does not have an ingredients book,
but keeps a record directly on the documents
accompanying products**

This choice is easy and efficient



The products from Giorgio'Dolce Fattora are sold directly in the Farm shop or at the Market





For the market Giorgio chooses

**to keep a record of what is on sale to have
a good management the product unsold**

This is not compulsory

**but it is a good practice to have a good
batch rotation and perhaps to do some
statistics on the seasonal customer
preferences**



Traceability on the Market

Example of document for
products selling at the
market

AZIENDA AGRICOLA LA DOLCE FATTORIA Mercato di Pinerolo mese di Marzo						
Data	Prodotti	Lotto	Carico	Note	Scarico	
03/03/2018	Latte fresco past	20318	30 bott		0	
	Tomino Fresco	10318	40 pezzi		2	
	Vigonella	260218	20 conf.		0	
	Tomino Piem.	2602C020318	10 conf		0	
	Peperò	0	0		0	
	Tomillo	2602C020318	10 conf		1	
	Mozzarella	280218	30 pezzi		0	
	Burrata	280218	20 pezzi		0	
	Toma stagionata	101217	8 pezzi		3	
10/03/2018	Latte fresco past	90318	30 bott		2	
	Tomino Fresco	80318	35 pezzi		1	
	Vigonella	50318	20 conf.		4	
	Tomino Piem.	0503C020918	10 conf		0	
	Peperò	0	0		0	
	Tomillo	0503C020918	8 conf		0	
	Mozzarella	70318	30 pezzi		0	
	Burrata	70318	20 pezzi		0	
	Toma stagionata	101217	5 pezzi		3	
17/03/2018	Latte fresco past	160318	30 bott		0	
	Tomino Fresco	150318	40 pezzi		2	
	Vigonella	110318	20 conf.		5	
	Tomino Piem.	1103C0150318	10 conf		0	
	Peperò	0	0		0	
	Tomillo	1103C0150318	10 conf		1	
	Mozzarella	150318	30 pezzi		0	
	Burrata	150318	20 pezzi		0	
	Toma stagionata	101217	4 pezzi		3	
24/03/2018	Latte fresco past	2303018	30 bott		0	
	Tomino Fresco	220318	40 pezzi		2	
	Vigonella	200318	20 conf.		2	
	Tomino Piem.	2003C023318	10 conf		0	
	Peperò	2003C023318	8 conf		0	
	Tomillo	2003C023318	10 conf		1	
	Mozzarella	280218	30 pezzi		0	
	Burrata	280218	20 pezzi		0	
	Toma stagionata	101217	8 pezzi		3	
31/03/2018	Latte fresco past	300318	30 bott		0	
	Tomino Fresco	290318	40 pezzi		2	
	Vigonella	250318	20 conf.			
	Tomino Piem.	2503C030318	10 conf		0	
	Peperò	2503C030318	0		0	
	Tomillo	2503C030318	10 conf		1	
	Mozzarella	280218	30 pezzi		0	
	Burrata	280218	20 pezzi		0	
	Toma stagionata	101217	8 pezzi		2	

Note





External Traceability

Fontegranne Farm manages the external traceability keeping record of the delivery documents

Fontegranne AZ. AGRICOLA di Scarafoni Eros

Contrada Scheggia - 63857 - Amandola (FM)
C.F. SCRRSE60D09D542T - P.IVA 00964980445
Tel. +39 0734.771289 - Fax +39 0734.772284
Cell. +39 335458296
www.fontegranne.it - info@fontegranne.it

Spett.le
AGRICIPENUM DI RINALDONI MATTEO
C. COLOMBO, 52
62018 POTENZA PICENA
P.I./C.F. 01826010439

MC

RNLMTT86L04H211R

Indirizzo di Consegna

Spett.le

Documento FATTURA ACCOMPAGNAT... 1279 28/05/2018 Causale VENDITA Tipo di pagamento RIMESSA DIRETTA
Agente 0 Banca Cod. Cii/For 0000004
IBAN: IT88K0306969540000000021131

CODICE	DESCRIZIONE	Q.tà	PREZZO	% SCONTI	IMPORTO C.I.
80	YOGURT BIANCO L.160618	12,000	0,80		9,60 10
19	RICOTTA PICCOLA L.280518	2,700	4,90		13,23 4
24	MAGRELLA L.280518	1,800	7,50		13,50 4
03	GHIOTTO L.100518	1,470	8,30		12,20 4
01	CASCIOTTA L.140518	1,880	8,40		15,79 4

Fontegranne AZ. AGRICOLA di Scarafoni Eros

Contrada Scheggia - 63857 - Amandola (FM)
C.F. SCRRSE60D09D542T - P.IVA 00964980445
Tel. +39 0734.771289 - Fax +39 0734.772284
Cell. +39 335458296
www.fontegranne.it - info@fontegranne.it

Spett.le
AZIENDA AGRICOLA PAOLUCCI FRANCESCA
VIA GEN. C.A. DALLA CHIESA, 5
32012 CIVITANOVA MARCHE
P.I./C.F. 01490750435 01490750435

MC

Indirizzo di Consegna

Spett.le

Documento FATTURA ACCOMPAGNAT... 1195 17/05/2018 Causale VENDITA Tipo di pagamento RI.BA 30GG FM
Agente 0 Banca Cod. Cii/For 0000399
IBAN: IT88K0306969540000000021131

CODICE	DESCRIZIONE	Q.tà	PREZZO	% SCONTI	IMPORTO C.I.
29	CAPRICCIO L.170418	0,330	15,80		5,04 4
17	VECCHIO GHIOTTO L.280318	0,380	10,50		3,99 4
10	ROSA SPINA L.030318	0,770	13,30		10,24 4
05	SLATTATO L.170418	0,810	10,70		8,67 4
03	GHIOTTO L.030518	0,670	8,40		5,63 4
11	BUCCHERO L.041217	0,920	15,30		14,08 4
09	LUNA ROSSA L.100318	0,820	13,40		10,99 4
32	BIANCO L.200218	0,740	15,30		11,32 4
16	CHEESE FOR PEACE L.230318	0,450	14,90		6,71 4
07	GOCCIA L.040518	0,100	17,70		1,77 4
18	RICOTTA GRANDE L.150518	1,650	4,70		7,76 4

Fontegranne AZ. AGRICOLA di Scarafoni Eros

Contrada Scheggia - 63857 - Amandola (FM)
C.F. SCRRSE60D09D542T - P.IVA 00964980445
Tel. +39 0734.771289 - Fax +39 0734.772284
Cell. +39 335458296
www.fontegranne.it - info@fontegranne.it

Spett.le
CHEOPE SRL
CASERTA, 10
63821 PORTO SANTELPIDIO
P.I./C.F. 01970400444 01970400444

FM

Indirizzo di Consegna

Spett.le

Documento DOCUMENTO DI TRASPOR... 171 17/05/2018 Causale VENDITA Tipo di pagamento RI.BA 60GG FM
Agente 0 Banca Cod. Cii/For 0000023
IBAN: IT88K0306969540000000021131

CODICE	DESCRIZIONE	Q.tà	PREZZO	% SCONTI	IMPORTO C.I.
18	RICOTTA GRANDE L.170518	2,850	4,60		13,11 4
15	FIORDILATTE L.170518	2,530	7,10		17,96 4
24	MAGRELLA L.170518	1,700	7,50		12,75 4
19	RICOTTA PICCOLA L.170518	2,250	4,90		11,03 4
01	CASCIOTTA L.300418	1,900	8,40		15,96 4