

**TECHNICAL PRODUCT
SHEET FOR USE BY PROFESSIONALS
CALVADOS CELLIER DU MANOIR
60 % vol.**

FROM

DRD I. DUSSOUS / EL

Updating

11/04/08

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1. LEGAL DEFINITION

- ◆ Cider spirit produced exclusively by the distillation of cider in conformity with E.C. Council regulation 110/2008 and French regulation (decree of 11/09/84 on the conditions of production of the cider spirits with geographical designation "Appellation d'Origine Contrôlée" (A.O.C.) : CALVADOS).
A.O.C. = protected designation of origin

2. LABELLING

- ◆ CALVADOS

3. INGREDIENTS

Nature	Quantity (in % weight/weight)
Calvados	52,1
Purified water	47,4
Colouring Caramel	0,5

4. CHEMICAL COMPOSITION


- ◆ Water, ethanol (ethyl alcohol), sugar (traces), specific organic components of Calvados and colouring caramel, mineral components (traces).

5. ELABORATION PROCESS

- ◆ Blending of different Calvados, aged separately
- ◆ Maturation (ageing) of the mixture
- ◆ Reduction to the sale alcoholic strength with purified water, and adjusting of the colour by adding caramel.
- ◆ Cooling
- ◆ Filtration through filter sheets or cartridges
- ◆ Bottling

6. USE

- ◆ According to professional use or information of your supplier.

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7. CONDITIONS OF STORAGE AND SHELF LIFE

- ◆ conditions of storage it is advisable to keep the product in its closed
..... original container, away from light and at a
..... temperature close to 15° C.
- ◆ shelf life (Best before date) in the recommended conditions of storage :
 - ◆ in the unopened 1L Pet plastic bottle 24 months after date of bottling
 - ◆ minimum shelf life (Best before date) guaranteed on receipt
 - ◆ in the unopened 1 L Pet plastic bottle 6 months

8. PHYSICO-CHEMICAL DATA

- ◆ appearance.....limpid liquid
- ◆ main tastetypical of Calvados
- ◆ main smelltypical of Calvados
- ◆ colourbrown
- ◆ solubility.....soluble with alcohol and water
- ◆ true alcoholic strength by volume
 (@ 20° C in % vol).....60,0 ± 0,3
- ◆ specific gravity @ 20°C (kg/litre).....0,909 ± 0,001
- ◆ total acidity (in g as acetic acid/litre)0,36 ± 0,08
- ◆ dry extract (g/litre)0,8 ± 0,2
- ◆ viscosity @ 20°C in centipoises (m.Pa.S) 3,27 ± 0,33
- ◆ maximum temperature for useA rise in temperature leads to a loss of alcohol
 and flavour through evaporation
- ◆ flash point (° C).....23

9. MICROBIOLOGICAL DATA (yeast, mould, bacteria)

- ◆ not applicable (content in alcohol sufficient to guarantee the absence of any microorganisms in the product).

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10. NUTRITIONAL DATA

	Quantity		Quantity
Carbohydrate (g/l)	< 1	Protein (g/l)	0
Of which :			
- sugars (g/l)	< 1		
- fibers (g/l)	0		
Fat (g/l)	0	Ethanol (ethyl alcohol)	60 % vol. (474 g/litre or 521 g/kg)
Of which :			
- saturated fatty acids (g/l)	0		
- trans fatty acids (g/l)	0		
Sodium	0	Iron	0
Calcium	0	Vitamins	0
Calories/litre (kCal/litre)	3 319	kiloJoules/litre (kJ/litre)	13 750
Calories/100 g (kCal/100 g)	365	kiloJoules/100 g (kJ/100 g)	1 513

Convenient for the following diets : intolerancy to lactose, vegans, vegetarians, ovo-lacto vegetarians (consuming nothing but eggs and milk), coeliac disease (intolerancy to gluten), intolerancy to nuts.

11. TOXICOLOGICAL DATA

111. HEAVY METALS	Quantity		Quantity
Arsenic	< 3 mg/kg	Mercury	< 1 mg/kg
Lead	< 10 mg/kg	Cadmium	< 1 mg/kg
Methanol	< 6 g/kg		

112. RESIDUES OF PESTICIDES

- ◆ presence not detected

113. GENETICALLY MODIFIED ORGANISMS (GMO) AND LABELLING


- ◆ this product :
 - is not a GMO
 - does not consist of GMO
 - is not produced from GMO
 - does not contain ingredients (including additives and flavors) produced from GMO

and consequently :

- is not subject to declaration and/or labelling.
- (EC regulations N° 1829/2003 and N° 1830/2003).

114. DIOXINES

- ◆ product not concerned
(EC regulation N° 466/2001 modified by the EC regulation N° 684/2004).

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115. TREATMENT BY IONIZATION

- ◆ This product is not subject to treatment by ionization.

116. PRESENCE/ABSENCE OF ALLERGENS (Directive 2003/89/EC)

- ◆ This product :
 - ◆ **Does not contain any of the following ingredients :**
 - Cereals containing gluten (i.e. wheat, rye, barley, oats, spelt, kamut or their hybridised strains) and products thereof
 - Crustaceans and products thereof
 - Eggs and products thereof
 - Fish and products thereof
 - Peanuts and products thereof
 - Soybeans and products thereof
 - Milk and products thereof (including lactose)
 - Nuts i.e. Almond, hazelnut, walnut, cashew, Pecan nut, Brazil nut , Pistachio nut, Macadamia nut and Queensland nut and products thereof
 - Celery and products thereof
 - Mustard and products thereof
 - Sesame seeds and products thereof
 - Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/litre expressed as SO₂
 - Lupin and products thereof
 - Molluscs and products thereof
 - ◆ **Does not contain any other ingredients than those listed in point 3. of this technical sheet.**

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12. OTHER

- ◆ This product is elaborated and bottled in a site certified ISO 9001 : 2000
- ◆ This product complies with the european regulations concerning in particular the analysis of risks (HACCP method) and the traceability.

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Remark :

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N.B. : The safety data sheet is available on request..