	TECHNICAL PRODUCT SHEET FOR USE BY PROFESSIONALS		ISSUED BY Muriel GUELY / C.R – Y.B – P.D	
	JACOBERT WILLIAMS PEAR SPIRIT DRINK 50 % vol.		Updating 07/07/2016	Page 1 / 5

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1. LEGAL DEFINITION

- ♦ Spirit Drink (in conformity with EC Council regulation N° 110/2008 and its amendments).

2. LABELLING

- ♦ SPIRIT DRINK
- Or
- ♦ PEAR SPIRIT DRINK


3. INGREDIENTS

*In accordance with the EC Council n° 110/2008 and its modifications

NATURE	QUANTITY (in % weight/weight)
Water	38,7
Ethyl alcohol (96.2 % vol.)	35,6
Williams Pear Spirit (60 % vol.)	16,2
Pear juice concentrate	7,2
Pear flavour	1,6
Citric acid (E 330)	0,5
Colouring caramel (E 150 a)	0,2

4. ELABORATION PROCESS

- ♦ Production of Williams Pear Spirit :
 - Sorting and crushing of the pears.
 - Natural fermentation.
 - Discontinuous distillation, with elimination of the heads and tails.
 - Ageing of the brandy.
- ♦ Production of Williams Pear Juice Concentrate.
 - Sorting and crushing of the pears.
 - Extraction of the juice.
 - Concentration and clarification of the juice.
- ♦ Mixing of the spirit, the juice concentrate and the others ingredients.
- ♦ Adjustment of the alcohol level at 50 % vol. (by addition of water and neutral alcohol).
- ♦ Step of clarification and stabilization.
- ♦ Filtration through sheets or cartridges.
- ♦ Bottling.

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6. DOSAGE

- ◆ According to professional use.

7. CONDITIONS OF STORAGE AND SHELF LIFE

- ◆ Conditions of storage.....it is advisable to keep the product 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 1 liter PET bottle.....18 months after date of bottling
- ◆ Minimum shelf life (Best before date) guaranteed on receipt
 - In the unopened 1 liter PET bottle.....5 months


7. ORGANOLEPTICAL DATA

- ◆ Appearance.....limpid liquid
- ◆ Main tastetypical of the pear
- ◆ Main smell.....typical of the pear
- ◆ Colour.....yellow

8. PHYSICO-CHEMICAL DATA

- ◆ True alcoholic strength by volume
(at 20° C in % vol)..... $50,0 \pm 0,3$
- ◆ Specific gravity at 20°C (kg/liter) $0,9470 \pm 0,0010$
- ◆ Solubilitysoluble in alcohol and water
- ◆ Dry extract (g/liter)..... $50,0 \pm 10,0$
- ◆ Viscosity at 20°C in centipoises (m.Pa.S) $3,1 \pm 0,3$
- ◆ Maximum temperature for useA rise in temperature leads to a loss of alcohol and flavour through evaporation
- ◆ Flash point (° C) $26,0 \pm 2,5$

9. MICROBIOLOGICAL DATA (yeast, mould, bacteria)

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- ◆ Not applicable (content in alcohol sufficient to guarantee the absence of any micro-organisms in the product).


10. NUTRITIONAL DATA

Energy	
KJ / 100 ml	1195,9
Kcal / 100 ml	288,4
Fat (g/100 ml)	0,0
Of which :	
— Saturated fatty acid (g/100 ml)	0,0
— Mono-unsaturates (g/100 ml) & polyunsaturates (g/100 ml)	0,0
Carbohydrate	3,0
Of which :	
— Sugars (g/100 ml)	3,0
— Polyols (g/100 ml)	0,0
— Starch (g/100 ml)	0,0
Fiber (g/100 ml)	0,0
Protein (g/100 ml)	0,0
Salt (g/100 ml)	0,0
Vitamins and minerals (the units specified in point 1 of Part A of Annex XIII, R 2011/1169)	0,0
Ethanol (ethyl alcohol) (g/ 100 ml)	39,5

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 fruit with shells.

11. TOXICOLOGICAL DATA

111. HEAVY METALS	Quantity		Quantity
Arsenic	< 3 mg/kg	Mercury	< 1 mg/kg
Lead	< 0,5 mg/kg	Cadmium	< 1 mg/kg

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112. MYCOTOXINES

- ◆ Presence not detected

113. RESIDUES OF PESTICIDES

- ◆ Presence not detected

114. 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 and its amendments).

115. DIOXINES


- ◆ Product not concerned
(EC regulation N° 1881/2006 and its amendments).

116. TREATMENT BY IONIZATION

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

117. PRESENCE/ABSENCE OF ALLERGENS (EC regulation N° 1169/2011 and its amendments)

- ◆ 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)

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- 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.

12. MISCELLANEOUS QUESTIONS

- ♦ This product is elaborated and bottled in a site certified ISO 9001: 2008, ISO 22000: 2005, ISO 14001: 2004 and OHSAS 18001: 2007.
- ♦ This product is in compliance with the European regulations concerning in particular the risks analysis (H.A.C.C.P. method) and the traceability.

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Muriel GUELY
R&D DIRECTOR

REMARK :

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