

ValdeMar BPA

- Gravity **10.7 BLG**
- ABV **4.3 %**
- IBU **22**
- SRM **6.1**
- Style **Belgian Pale Ale**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **15.8 liter(s)**
- Total mash volume **20.3 liter(s)**

Steps

- Temp **64 C**, Time **20 min**
- Temp **72 C**, Time **45 min**

Mash step by step

- Heat up **15.8 liter(s)** of strike water to **70.3C**
- Add grains
- Keep mash **20 min** at **64C**
- Keep mash **45 min** at **72C**
- Sparge using **16.5 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	3 kg (66.7%)	85 %	7
Grain	Strzegom Monachijski typ I	1 kg (22.2%)	79 %	16
Grain	Abbey Malt Weyermann	0.3 kg (6.7%)	75 %	45
Grain	Carabelge	0.2 kg (4.4%)	80 %	30

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	East Kent Goldings	30 g	55 min	5.1 %
Aroma (end of boil)	Styrian Golding	30 g	15 min	3.6 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safbrew BE-256	Ale	Dry	11.5 g	Fermentis