Pale Ale 11

- Gravity 11 BLG
- ABV 4.4 %
- IBU **22**
- SRM 9.6
- Style Blonde Ale

Batch size

- Expected quantity of finished beer 15 liter(s)
- Trub loss 5 %
- Size with trub loss 15.8 liter(s)
- Boil time 70 min
- Evaporation rate 5 %/h
- Boil size 18.3 liter(s)

Mash information

- Mash efficiency 78 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 9.4 liter(s)
- Total mash volume 12.6 liter(s)

Steps

- Temp 67 C, Time 70 min
 Temp 78 C, Time 10 min

Mash step by step

- Heat up 9.4 liter(s) of strike water to 74.9C
- Add grains
- Keep mash 70 min at 67C
- Keep mash 10 min at 78C
- Sparge using 12.1 liter(s) of 76C water or to achieve 18.3 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Castle Pale Ale	1.5 kg <i>(47.6%)</i>	80 %	8
Grain	Strzegom Wiedeński	1 kg <i>(31.7%)</i>	79 %	10
Grain	Carahell	0.1 kg <i>(3.2%)</i>	77 %	26
Grain	Żytni	0.5 kg <i>(15.9%)</i>	85 %	8
Grain	Strzegom pszenica prażona	0.05 kg <i>(1.6%)</i>	70 %	1000

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Target	6 g	55 min	10.5 %
Boil	Bramling	20 g	15 min	6 %
Boil	Willamette	20 g	5 min	5 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Danstar - Nottingham	Ale	Dry	11 g	Danstar

Extras

Туре	Name	Amount	Use for	Time
Fining	whirflock	5 g	Boil	15 min