

pale ale 12blg warka 0

- Gravity **9.3 BLG**
- ABV **3.6 %**
- IBU **47**
- SRM **4.2**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **23 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **28.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12 liter(s)**
- Total mash volume **16 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3.2 kg (80%)	80 %	5
Grain	Strzegom Monachijski typ II	0.6 kg (15%)	79 %	22
Grain	Bestmalz Carmel Pils	0.2 kg (5%)	75 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Phoenix	30 g	60 min	11 %
Boil	Progress	40 g	10 min	5.5 %