

Pale Ale

- Gravity **10.7 BLG**
- ABV **4.3 %**
- IBU **28**
- SRM **5.2**
- Style **Extra Special/Strong Bitter (English Pale Ale)**

Batch size

- Expected quantity of finished beer **40 liter(s)**
- Trub loss **10 %**
- Size with trub loss **46 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **55.2 liter(s)**

Mash information

- Mash efficiency **72 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **27.6 liter(s)**
- Total mash volume **36.8 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **75 C**, Time **1 min**

Mash step by step

- Heat up **27.6 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **1 min** at **75C**
- Sparge using **36.8 liter(s)** of **76C** water or to achieve **55.2 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	8 kg (87%)	80 %	5
Grain	Karmelowy Jasny 30EBC	0.6 kg (6.5%)	75 %	30
Grain	Briess - Aromatic Malt	0.6 kg (6.5%)	77 %	39

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Challenger	50 g	60 min	7 %
Boil	East Kent Goldings	30 g	30 min	5.1 %
Boil	East Kent Goldings	20 g	10 min	5.1 %