

pale ale 12° blg

- Gravity **13.8 BLG**
- ABV ---
- IBU **27**
- SRM **4.9**
- Style **Extra Special/Strong Bitter (English Pale Ale)**

Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss --- %
- Size with trub loss --- liter(s)
- Boil time **65 min**
- Evaporation rate --- %/h
- Boil size --- liter(s)

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio --- liter(s) / kg
- Mash size **13 liter(s)**
- Total mash volume **17 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pale Ale	3.8 kg	80 %	4
Grain	carahell	0.2 kg	--- %	25

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Kent Goldings	30 g	60 min	5.5 %
Aroma (end of boil)	Fuggles	20 g	15 min	4.5 %
Aroma (end of boil)	Fuggles	10 g	5 min	4.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11.5 g	Safale