

## ALTCO-amber light topaz cluster opal

- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **26**
- SRM **5**
- Style **Belgian Pale Ale**

### Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **3 %**
- Size with trub loss **23.7 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **25.6 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Liquid Extract	Liquid Extract (LME) - Pilsner	1.7 kg (50%)	82 %	8
Liquid Extract	Liquid Extract (LME) - Pale	1.7 kg (50%)	82 %	16

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Cluster	25 g	10 min	7.75 %
Boil	Opal	25 g	60 min	6.7 %
Dry Hop	Topaz	20 g	7 day(s)	15 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11 g	Safale