

Orbit ale

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **43**
- SRM **5**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.6 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **19.3 liter(s)**
- Total mash volume **24.8 liter(s)**

Steps

- Temp **66 C**, Time **60 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **19.3 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **1 min** at **78C**
- Sparge using **13.8 liter(s)** of **76C** water or to achieve **27.6 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pale Ale	5.5 kg (100%)	80 %	7

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	orbit	40 g	60 min	9.8 %
Boil	orbit	10 g	10 min	9.8 %
Boil	orbit	50 g	0 min	9.8 %
Dry Hop	orbit	100 g	3 day(s)	9.8 %

Yeasts

Name	Type	Form	Amount	Laboratory
US 05	Ale	Slant	11 ml	---