

## Z\_69 Kombek

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- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **46**
- SRM **4.7**
- Style **American Pale Ale**

### Batch size

- Expected quantity of finished beer **30 liter(s)**
- Trub loss **5 %**
- Size with trub loss **31.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **38 liter(s)**

### Mash information

- Mash efficiency **83 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **22.5 liter(s)**
- Total mash volume **30 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (66.7%)	80 %	5
Grain	Viking Wheat Malt	2 kg (26.7%)	83 %	5
Grain	Carahell	0.5 kg (6.7%)	77 %	26

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Bravo	45 g	60 min	14.5 %

### Yeasts

Name	Type	Form	Amount	Laboratory
FM52 Amerykański Sen	Ale	Liquid	100 ml	Fermentum Mobile