

## Kill Bill

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- Gravity **14.7 BLG**
- ABV **6.1 %**
- IBU **49**
- SRM **8**
- Style **Red IPA**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński Viking malt	3 kg (50%)	80 %	4
Grain	Żytni Viking Malt	2 kg (33.3%)	81 %	7
Grain	Karmelowy Czerwony Viking malt	1 kg (16.7%)	75 %	50

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Oktawia (PL)	50 g	45 min	7.1 %
Aroma (end of boil)	Cascade USA (PL)	30 g	15 min	5.8 %
Dry Hop	Falconers Flight USA	50 g	5 day(s)	10.3 %
Aroma (end of boil)	Dragon SLO	20 g	15 min	7.2 %

### Yeasts

Name	Type	Form	Amount	Laboratory
FM50 Kłosa Kansas	Ale	Slant	100 ml	---